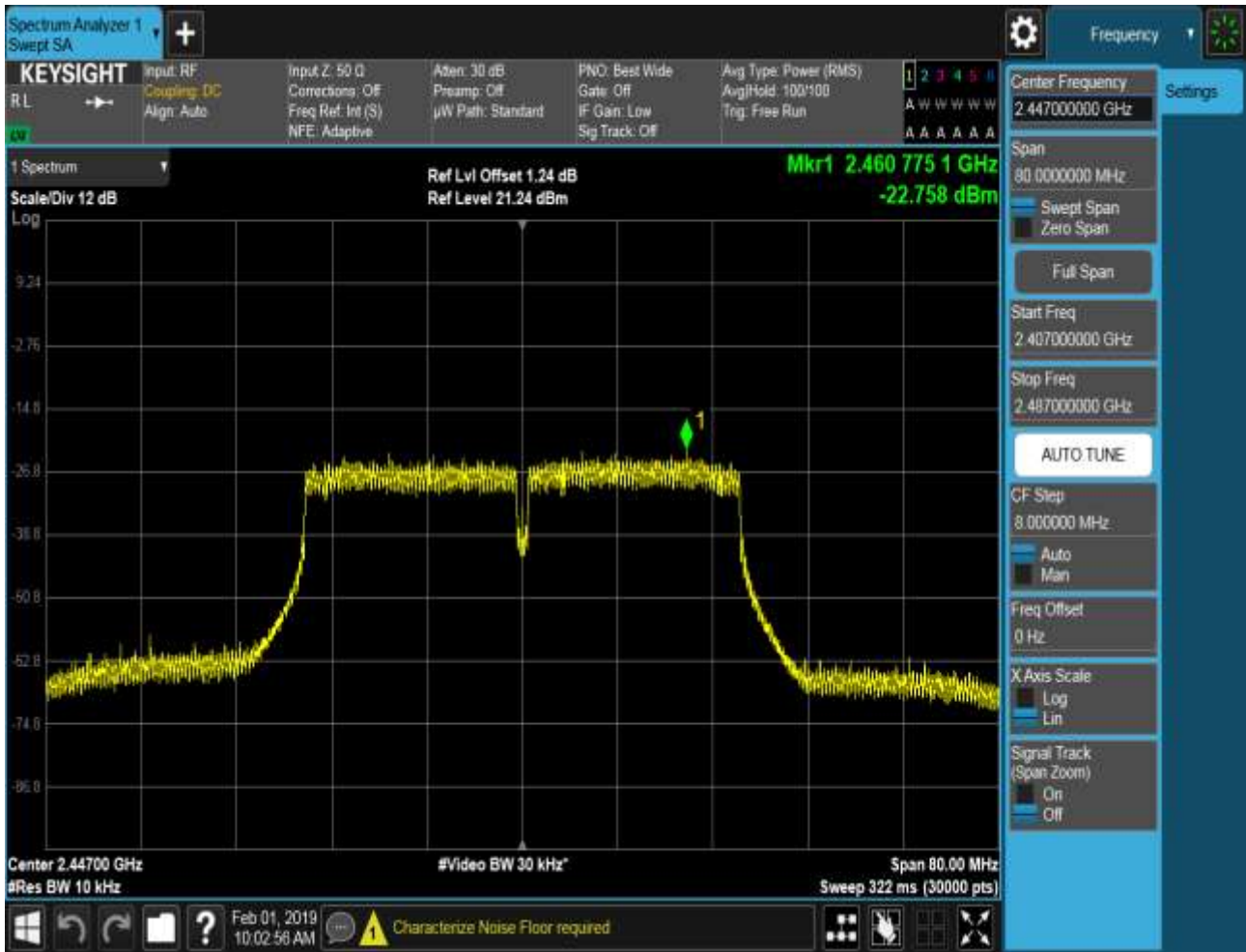
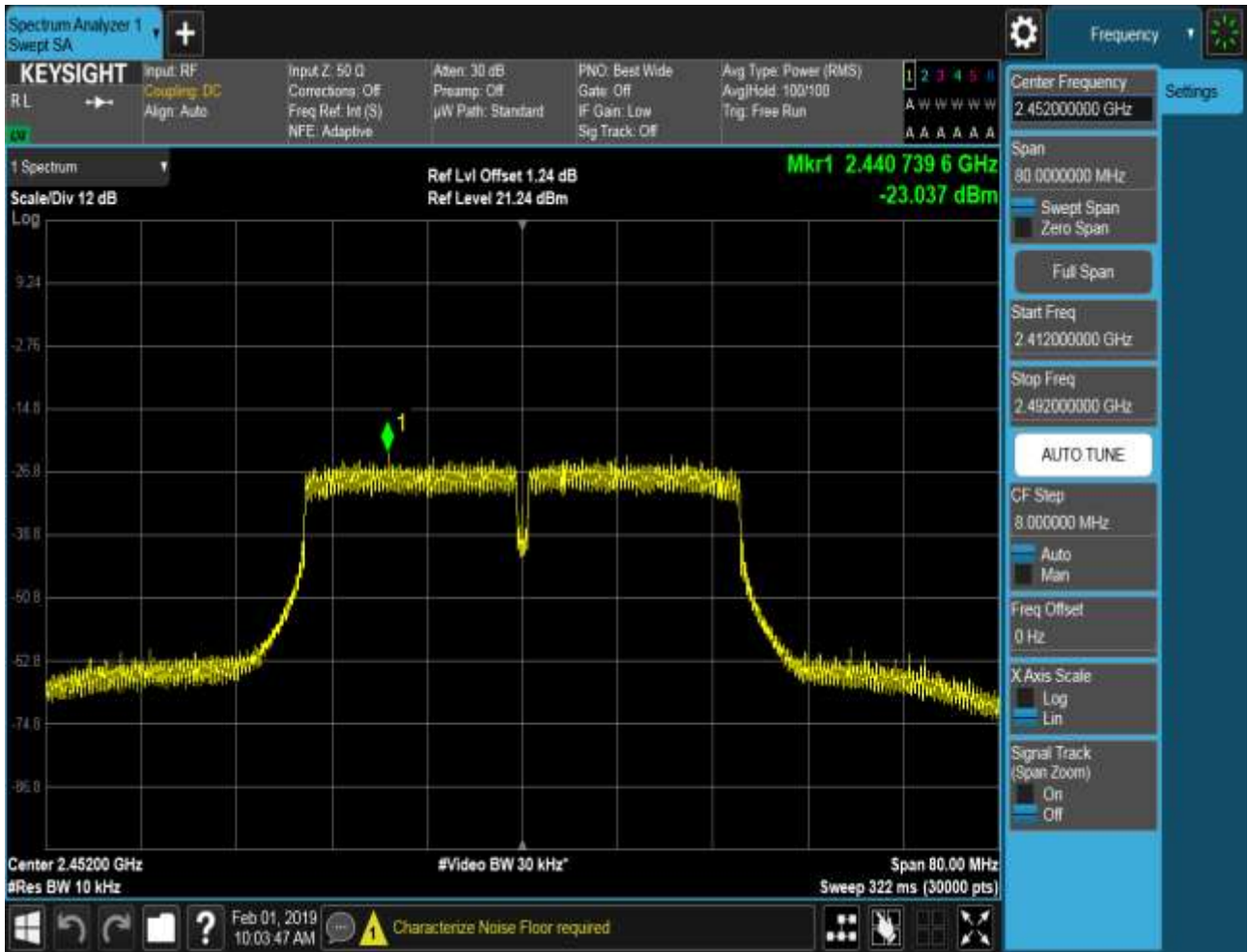


1.80 11N40MIMO_Ant2_2447



1.82 11N40MIMO_Ant2_2452



Appendix F: Band Edges Compliance

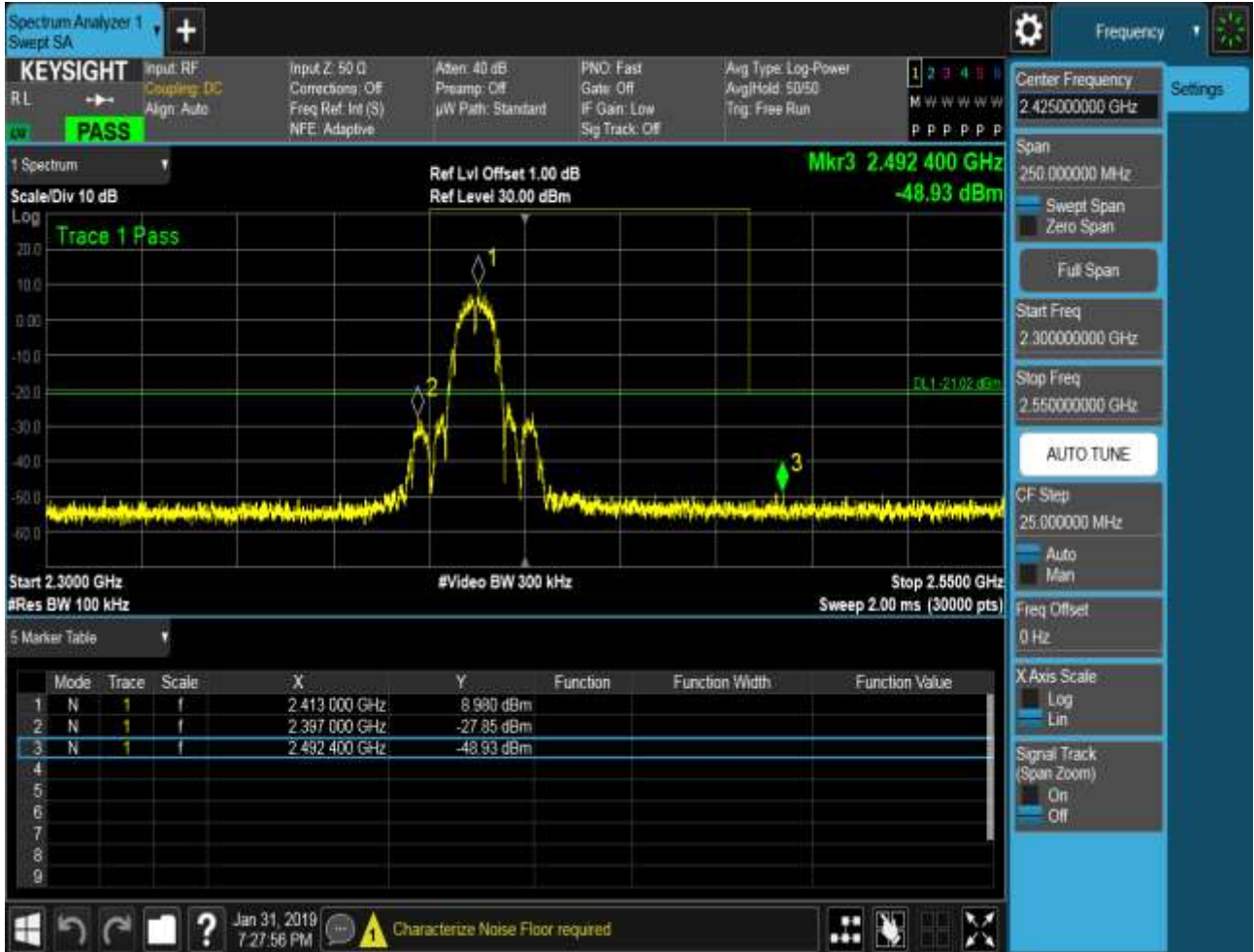
Part I - Test Results

Test Mode	Antenna	Ch Name	Channel	RefLevel [dBm]	Result[dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	8.98	-27.85	-21.02	PASS
11B	Ant2	Low	2412	7.34	-35.84	-22.66	PASS
11B	Ant1	High	2462	9.06	-49.32	-20.94	PASS
11B	Ant2	High	2462	6.03	-48.32	-23.97	PASS
11G	Ant1	Low	2412	-2.06	-43.0	-32.06	PASS
11G	Ant2	Low	2412	-3.71	-43.62	-33.71	PASS
11G	Ant1	High	2422	4.4	-50.12	-25.6	PASS
11G	Ant2	High	2422	4.9	-49.63	-25.1	PASS
11G	Ant1	High	2452	5.83	-50.24	-24.17	PASS
11G	Ant2	High	2452	2.86	-44.17	-27.14	PASS
11G	Ant1	High	2457	-2.33	-50.04	-32.33	PASS
11G	Ant2	High	2457	-3.51	-48.49	-33.51	PASS
11G	Ant1	High	2462	-6.56	-49.14	-36.56	PASS
11G	Ant2	High	2462	-7.06	-48.4	-37.06	PASS
11G20CDD	Ant1	Low	2412	-3.16	-43.36	-33.16	PASS
11G20CDD	Ant2	Low	2412	-2.6	-44.68	-32.6	PASS
11G20CDD	Ant1	High	2422	2.51	-49.31	-27.49	PASS
11G20CDD	Ant2	High	2422	4.95	-50.01	-25.05	PASS
11G20CDD	Ant1	High	2452	5.55	-49.44	-24.45	PASS
11G20CDD	Ant2	High	2452	3.88	-47.07	-26.12	PASS
11G20CDD	Ant1	High	2457	-5.32	-49.86	-35.32	PASS
11G20CDD	Ant2	High	2457	-3.86	-49.22	-33.86	PASS
11G20CDD	Ant1	High	2462	-6.95	-49.04	-36.95	PASS
11G20CDD	Ant2	High	2462	-4.83	-47.99	-34.83	PASS
11N20SISO	Ant1	Low	2412	-2.04	-42.6	-32.04	PASS
11N20SISO	Ant2	Low	2412	-0.76	-43.5	-30.76	PASS
11N20SISO	Ant1	High	2422	4.46	-49.97	-25.54	PASS
11N20SISO	Ant2	High	2422	0.57	-49.79	-29.43	PASS
11N20SISO	Ant1	High	2452	1.61	-49.27	-28.39	PASS
11N20SISO	Ant2	High	2452	2.0	-46.32	-28.0	PASS
11N20SISO	Ant1	High	2457	-2.86	-49.12	-32.86	PASS
11N20SISO	Ant2	High	2457	-4.28	-49.83	-34.28	PASS
11N20SISO	Ant1	High	2462	-5.84	-49.63	-35.84	PASS
11N20SISO	Ant2	High	2462	-7.35	-49.17	-37.35	PASS
11N20MIMO	Ant1	Low	2412	-1.13	-42.53	-31.13	PASS
11N20MIMO	Ant2	Low	2412	-2.98	-46.1	-32.98	PASS
11N20MIMO	Ant1	High	2422	4.2	-49.48	-25.8	PASS
11N20MIMO	Ant2	High	2422	1.45	-48.89	-28.55	PASS
11N20MIMO	Ant1	High	2452	4.83	-48.49	-25.17	PASS
11N20MIMO	Ant2	High	2452	2.08	-47.78	-27.92	PASS
11N20MIMO	Ant1	High	2457	-5.26	-48.69	-35.26	PASS
11N20MIMO	Ant2	High	2457	-4.33	-49.42	-34.33	PASS
11N20MIMO	Ant1	High	2462	-3.91	-50.22	-33.91	PASS
11N20MIMO	Ant2	High	2462	-5.16	-48.49	-35.16	PASS
11N40SISO	Ant1	Low	2422	-8.92	-46.54	-38.92	PASS
11N40SISO	Ant2	Low	2422	-9.43	-48.05	-39.43	PASS
11N40SISO	Ant1	High	2427	-7.67	-49.78	-37.67	PASS

11N40SISO	Ant2	High	2427	-7.91	-49.53	-37.91	PASS
11N40SISO	Ant1	High	2432	-0.47	-46.51	-30.47	PASS
11N40SISO	Ant2	High	2432	-1.22	-45.2	-31.22	PASS
11N40SISO	Ant1	High	2442	-8.13	-49.33	-38.13	PASS
11N40SISO	Ant2	High	2442	-9.91	-49.96	-39.91	PASS
11N40SISO	Ant1	High	2447	-8.99	-48.66	-38.99	PASS
11N40SISO	Ant2	High	2447	-10.5	-49.06	-40.5	PASS
11N40SISO	Ant1	High	2452	-9.82	-46.83	-39.82	PASS
11N40SISO	Ant2	High	2452	-10.72	-48.98	-40.72	PASS
11N40MIMO	Ant1	Low	2422	-8.87	-45.78	-38.87	PASS
11N40MIMO	Ant2	Low	2422	-6.24	-45.68	-36.24	PASS
11N40MIMO	Ant1	High	2427	-8.2	-49.95	-38.2	PASS
11N40MIMO	Ant2	High	2427	-8.53	-49.81	-38.53	PASS
11N40MIMO	Ant1	High	2432	0.14	-47.17	-29.86	PASS
11N40MIMO	Ant2	High	2432	-0.77	-43.05	-30.77	PASS
11N40MIMO	Ant1	High	2442	-8.14	-49.77	-38.14	PASS
11N40MIMO	Ant2	High	2442	-10.55	-48.28	-40.55	PASS
11N40MIMO	Ant1	High	2447	-9.08	-50.43	-39.08	PASS
11N40MIMO	Ant2	High	2447	-6.07	-45.9	-36.07	PASS
11N40MIMO	Ant1	High	2452	-9.87	-49.65	-39.87	PASS
11N40MIMO	Ant2	High	2452	-7.23	-44.11	-37.23	PASS

Part II - Test Graphs

1.1 11B_Ant1_2412



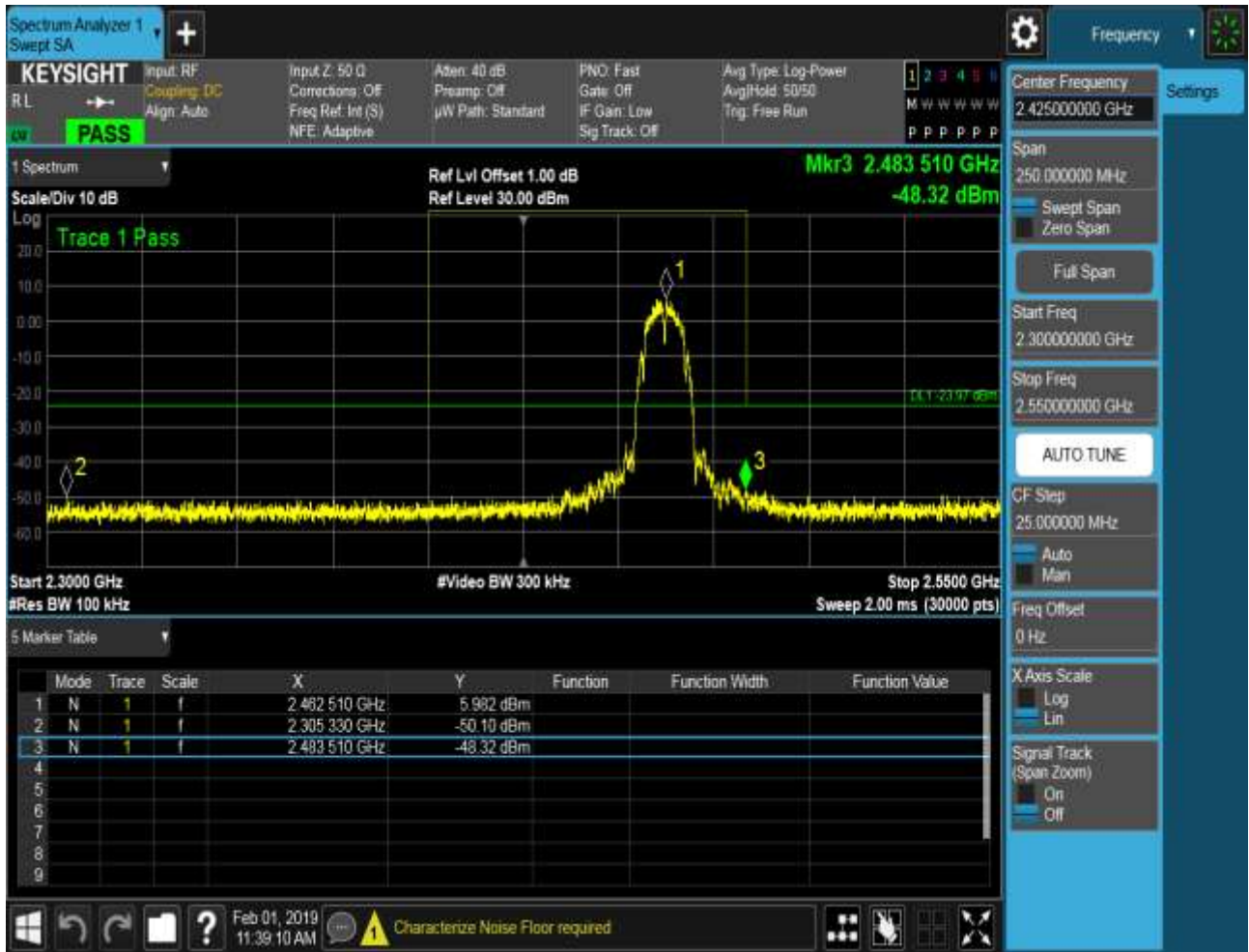
1.2 11B_Ant2_2412



1.3 11B_Ant1_2462



1.4 11B_Ant2_2462



1.5 11G_Ant1_2412



1.6 11G_Ant2_2412



1.7 11G_Ant1_2422



1.8 11G_Ant2_2422



1.9 11G_Ant1_2452



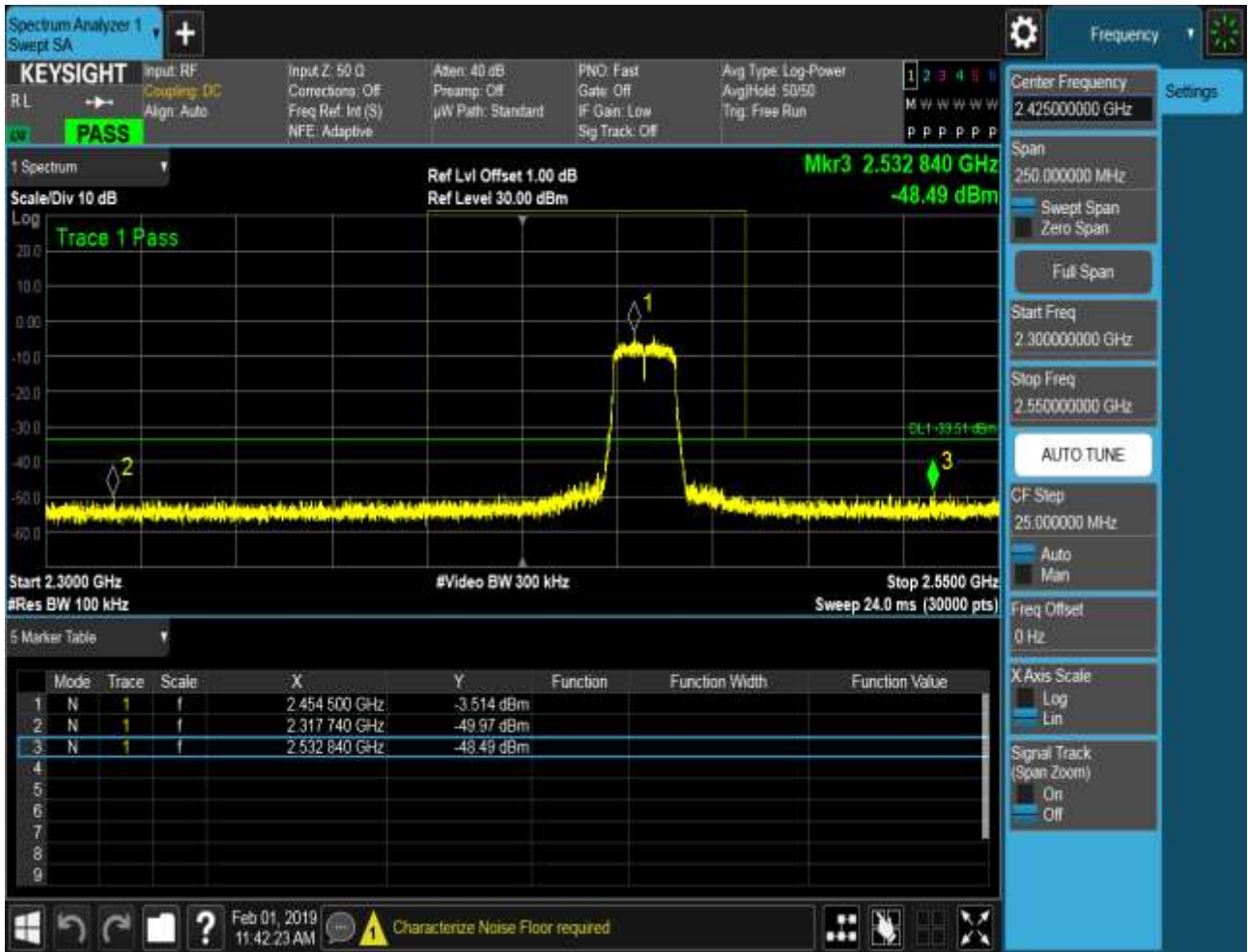
1.10 11G_Ant2_2452



1.11 11G_Ant1_2457



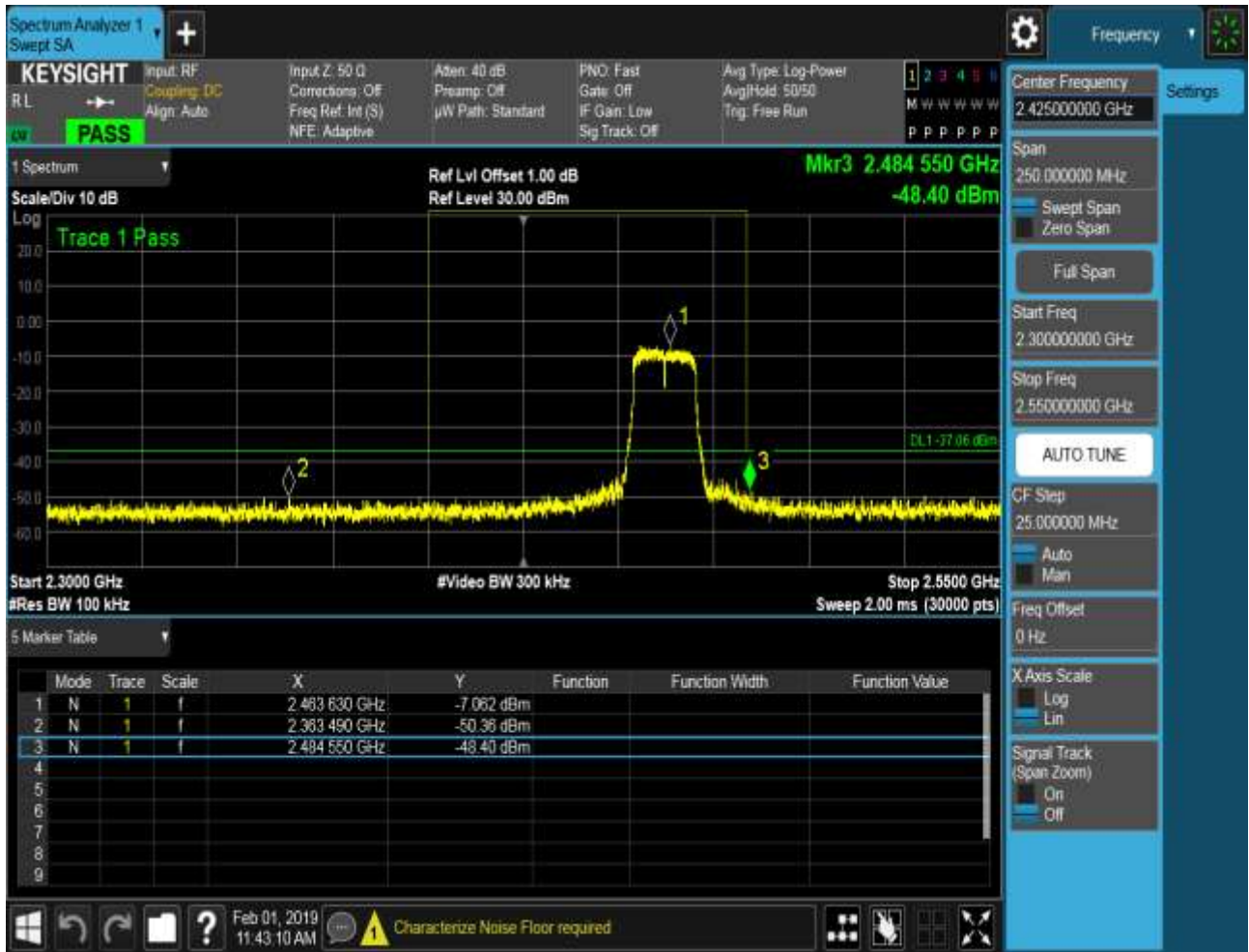
1.12 11G_Ant2_2457



1.13 11G_Ant1_2462



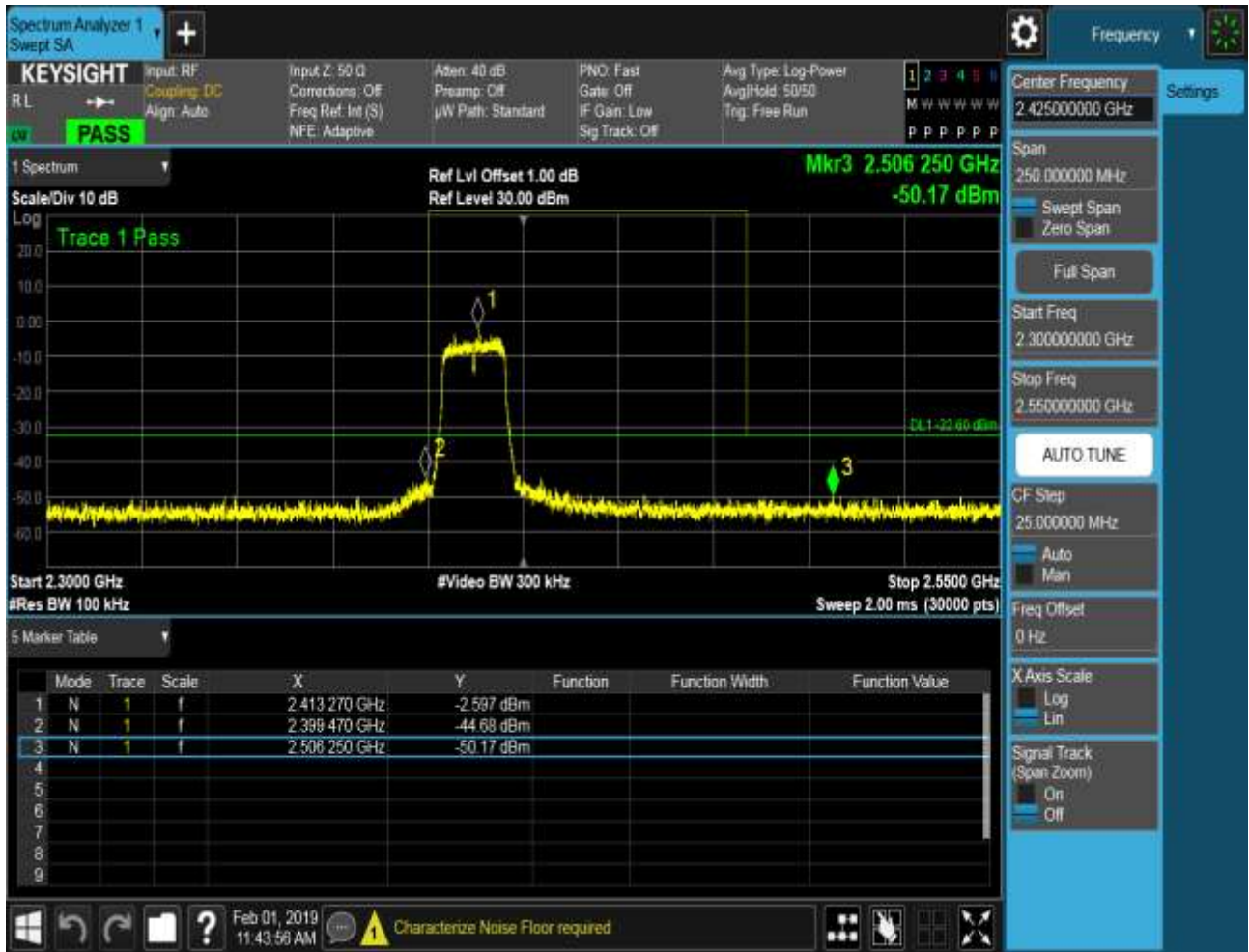
1.14 11G_Ant2_2462



1.15 11G20CDD_Ant1_2412



1.16 11G20CDD_Ant2_2412



1.17 11G20CDD_Ant1_2422



1.18 11G20CDD_Ant2_2422



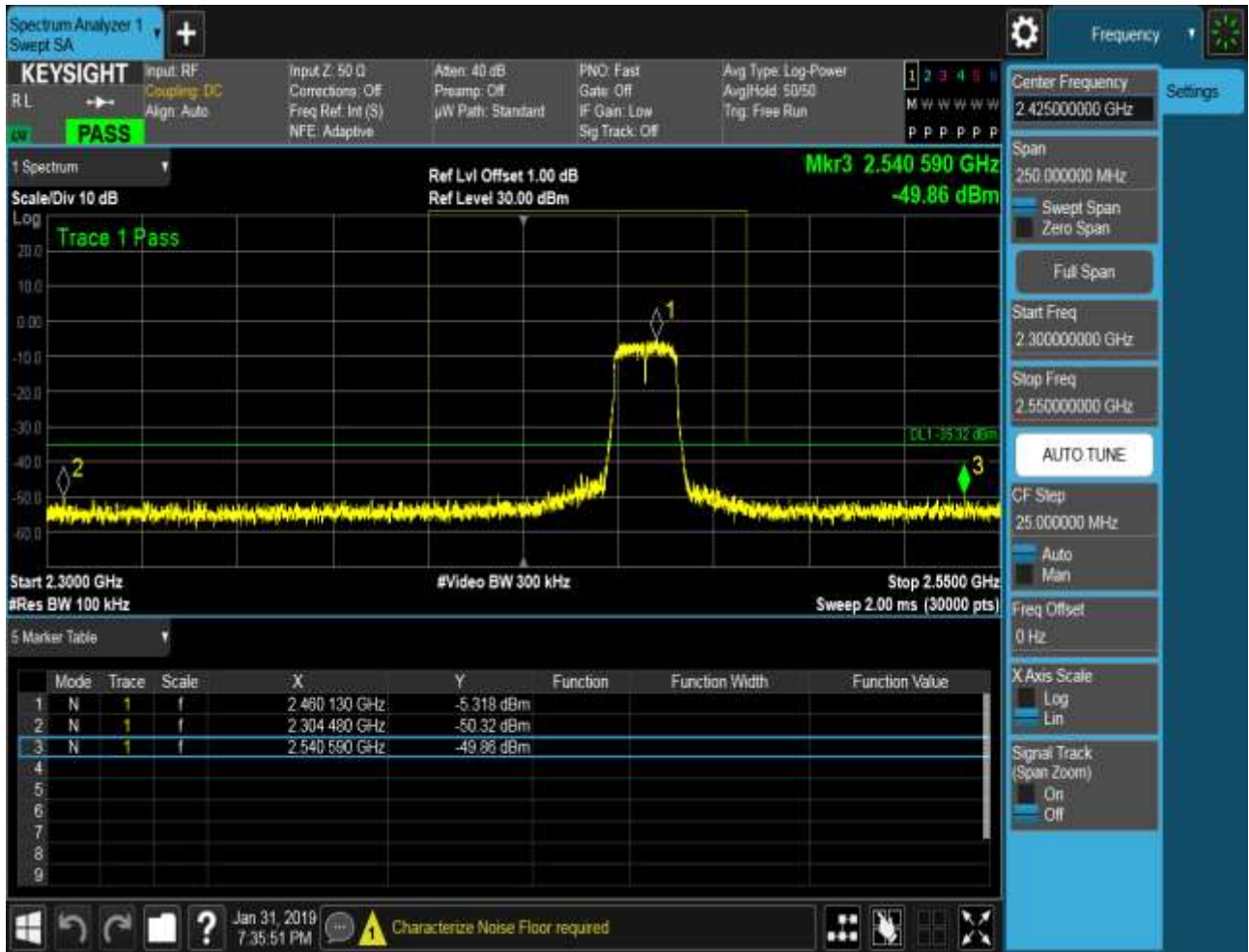
1.19 11G20CDD_Ant1_2452



1.20 11G20CDD_Ant2_2452



1.21 11G20CDD_Ant1_2457



1.22 11G20CDD_Ant2_2457



1.23 11G20CDD_Ant1_2462



1.24 11G20CDD_Ant2_2462



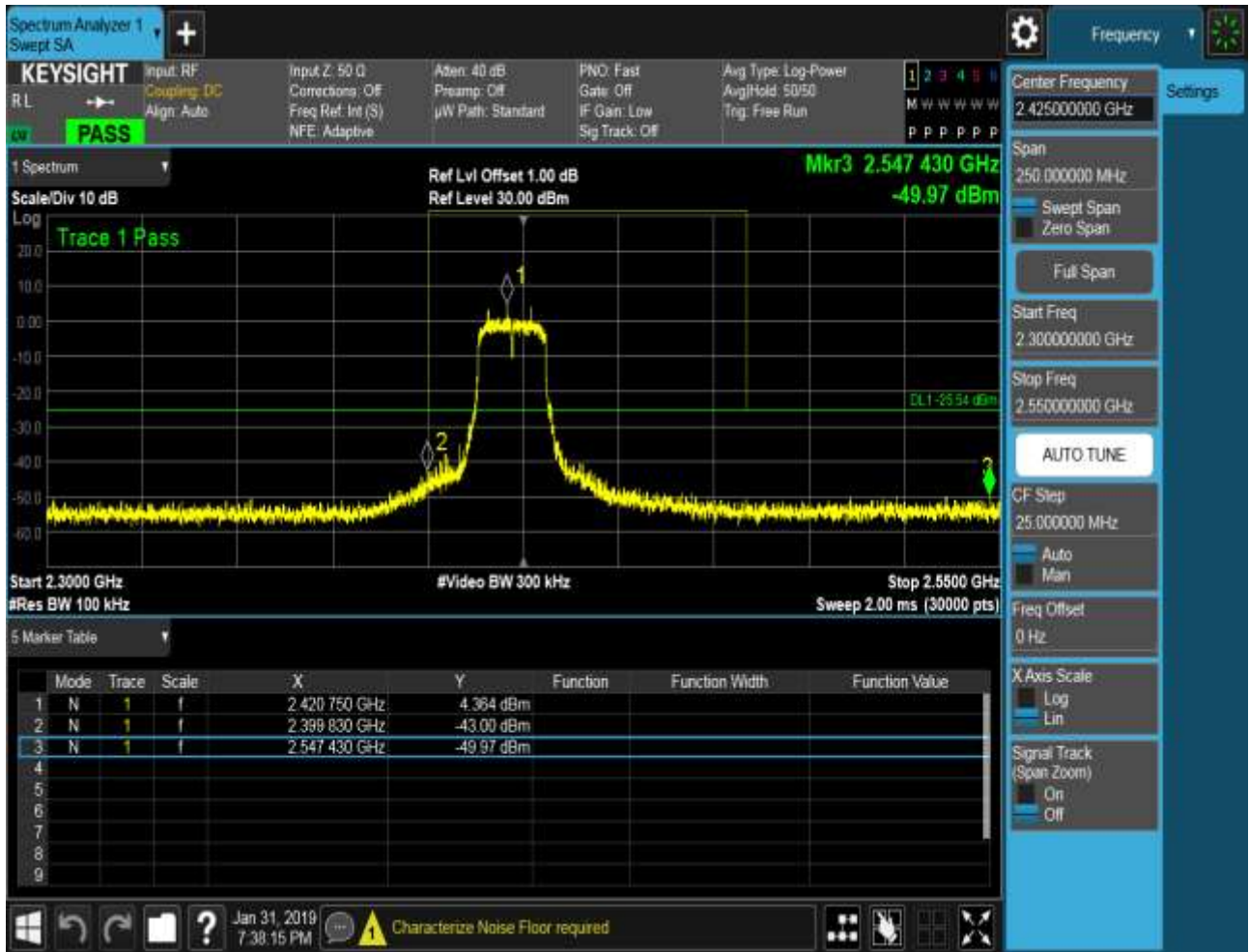
1.25 11N20SISO_Ant1_2412



1.26 11N20SISO_Ant2_2412



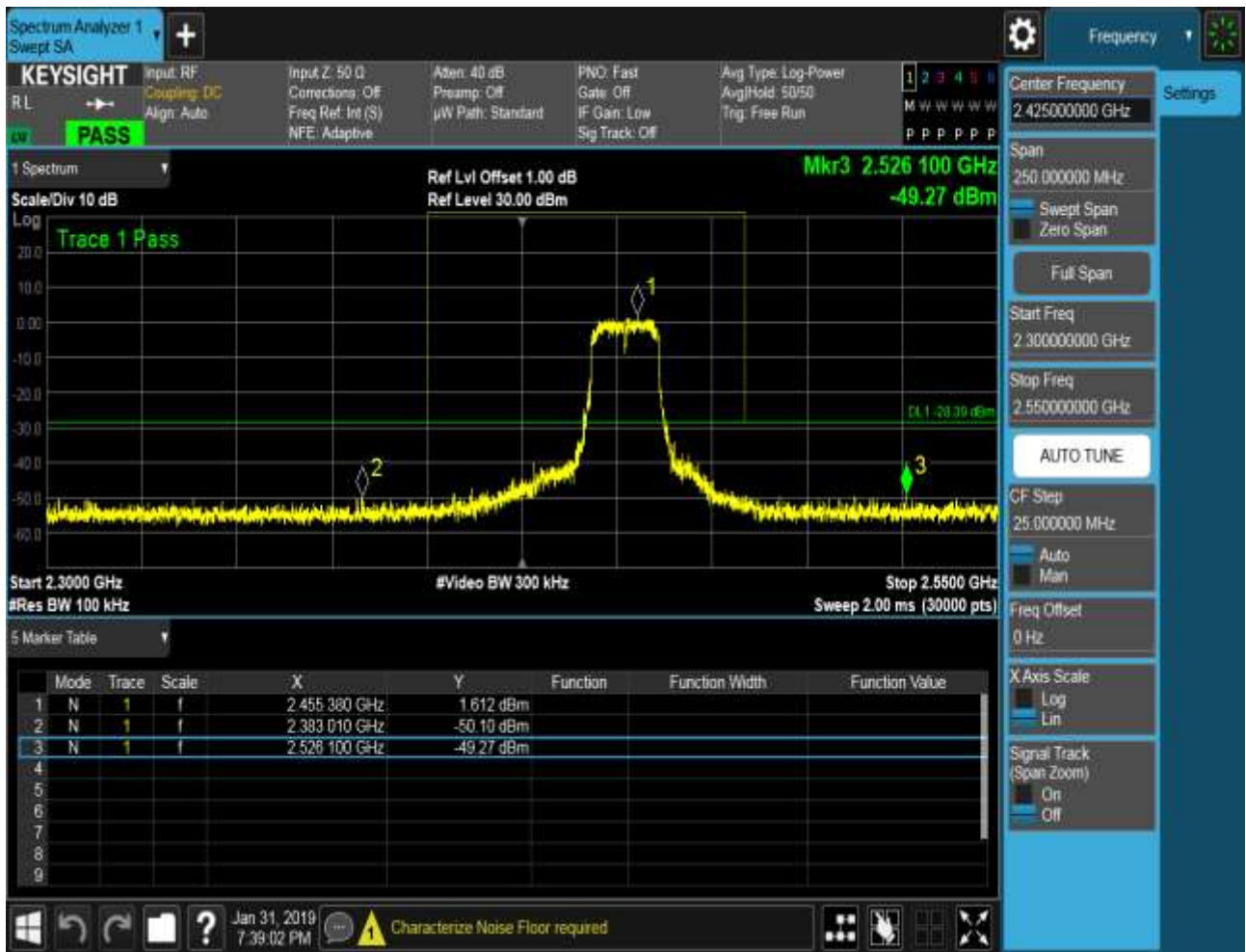
1.27 11N20SISO_Ant1_2422



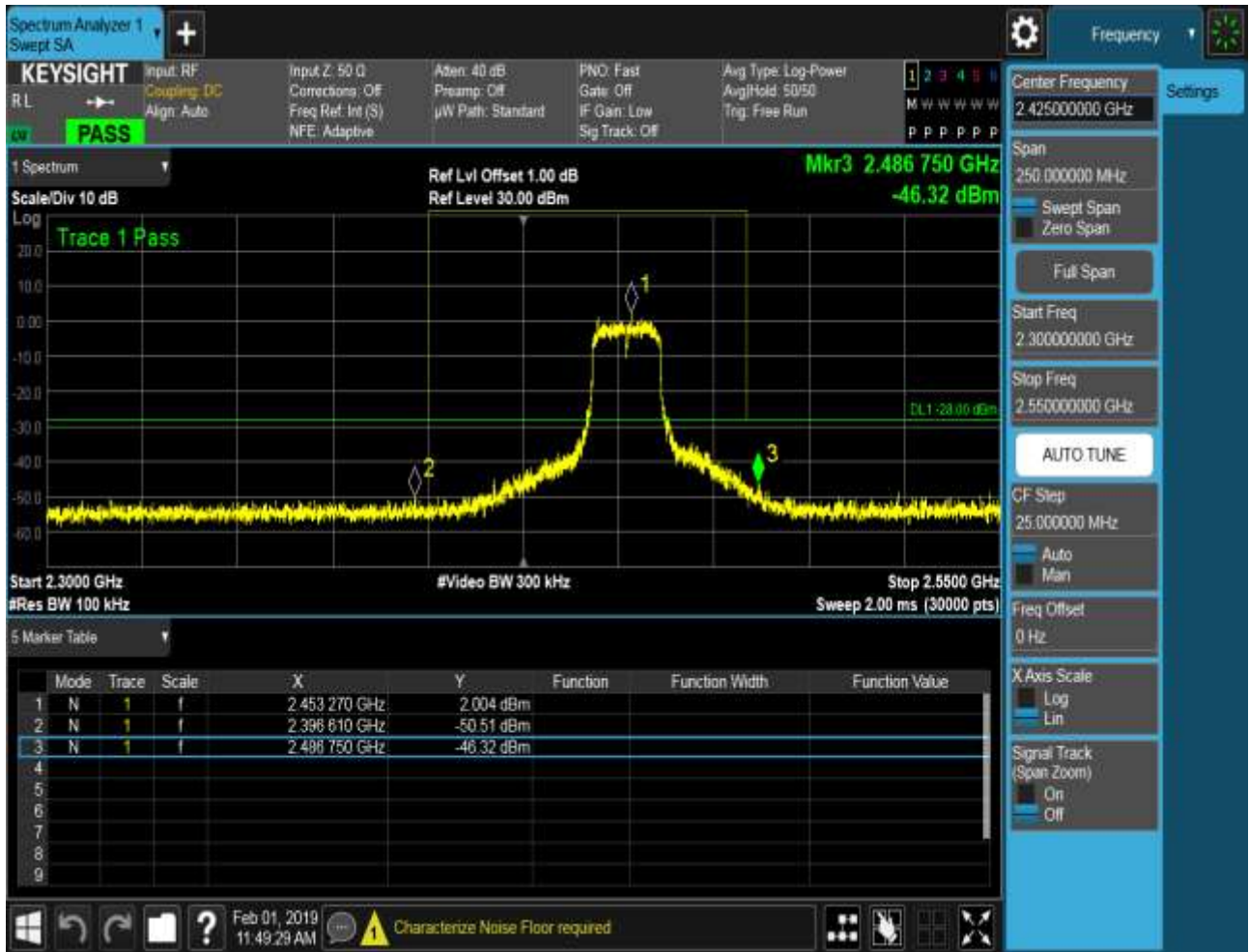
1.28 11N20SISO_Ant2_2422



1.29 11N20SISO_Ant1_2452



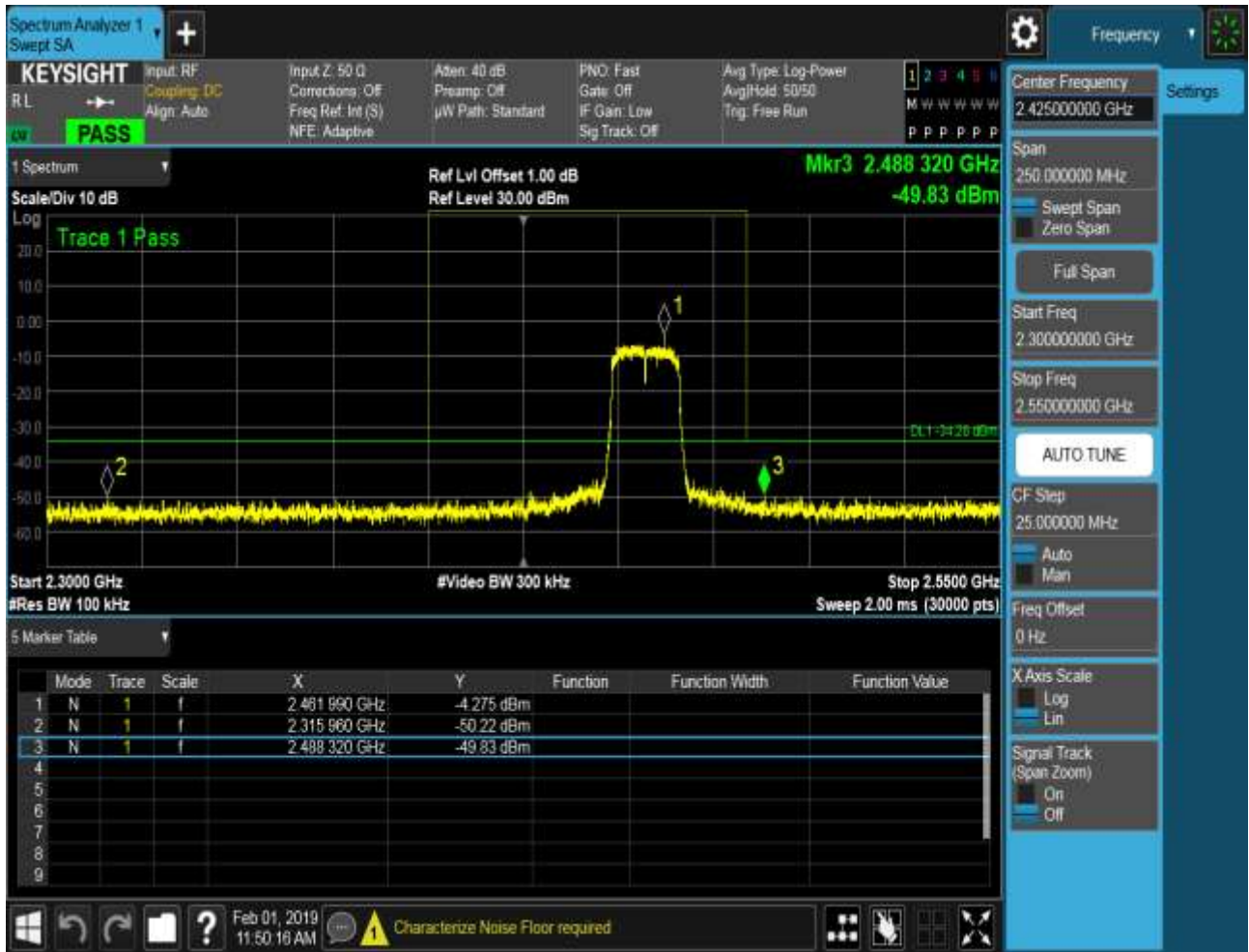
1.30 11N20SISO_Ant2_2452



1.31 11N20SISO_Ant1_2457



1.32 11N20SISO_Ant2_2457



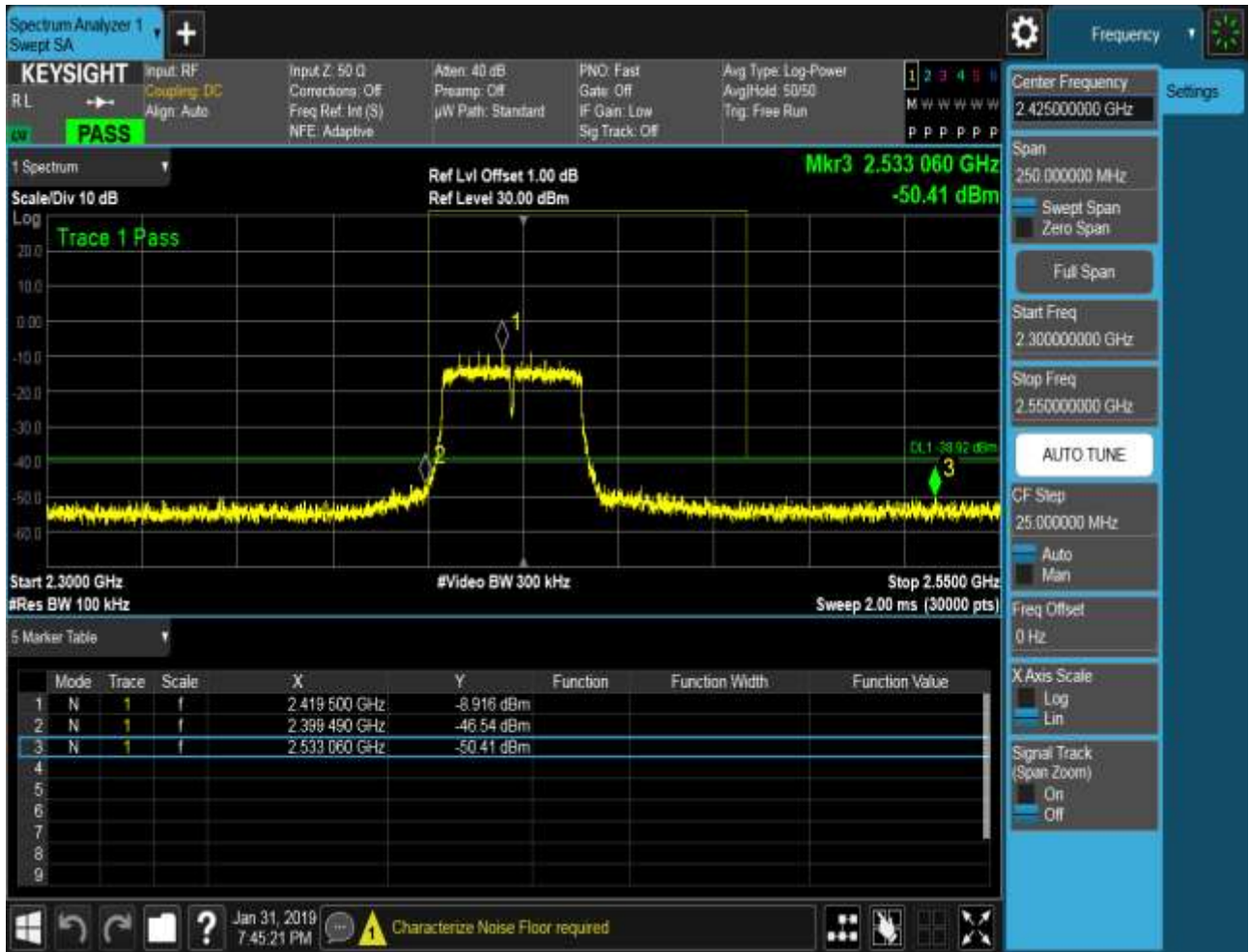
1.33 11N20SISO_Ant1_2462



1.34 11N20SISO_Ant2_2462



1.35 11N40SISO_Ant1_2422



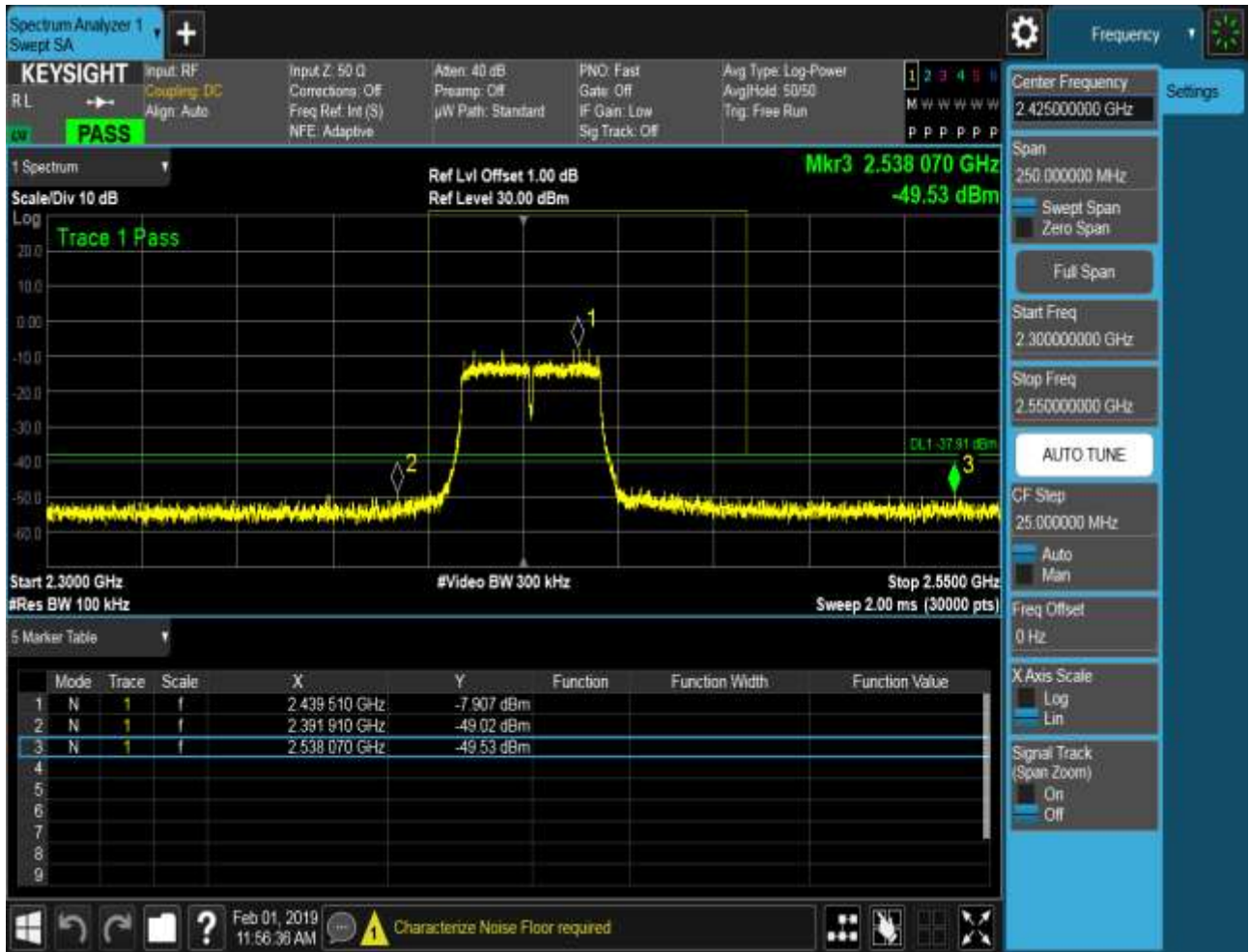
1.36 11N40SISO_Ant2_2422



1.37 11N40SISO_Ant1_2427



1.38 11N40SISO_Ant2_2427



1.39 11N40SISO_Ant1_2432



1.40 11N40SISO_Ant2_2432



1.41 11N40SISO_Ant1_2442



1.42 11N40SISO_Ant2_2442



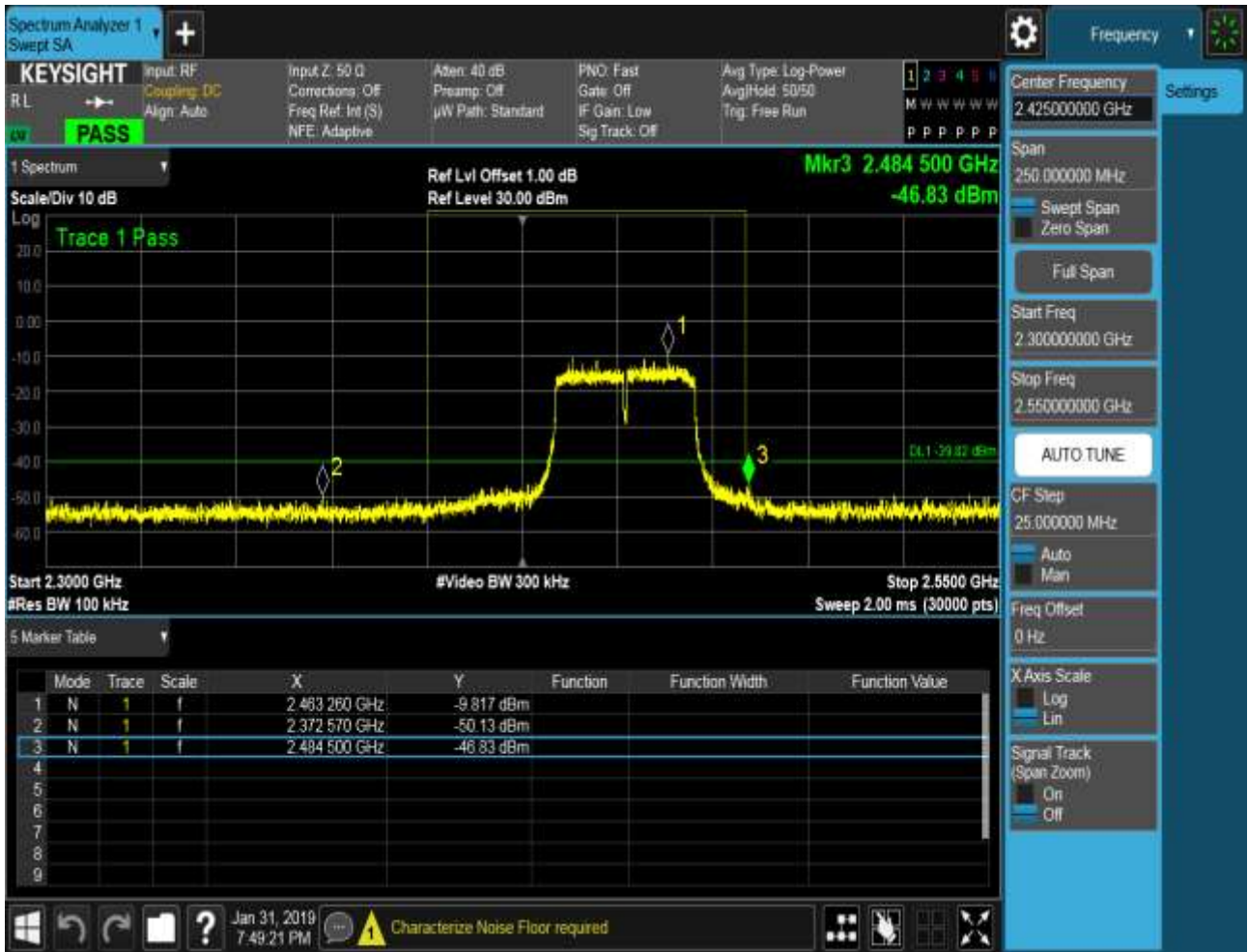
1.43 11N40SISO_Ant1_2447



1.44 11N40SISO_Ant2_2447



1.45 11N40SISO_Ant1_2452



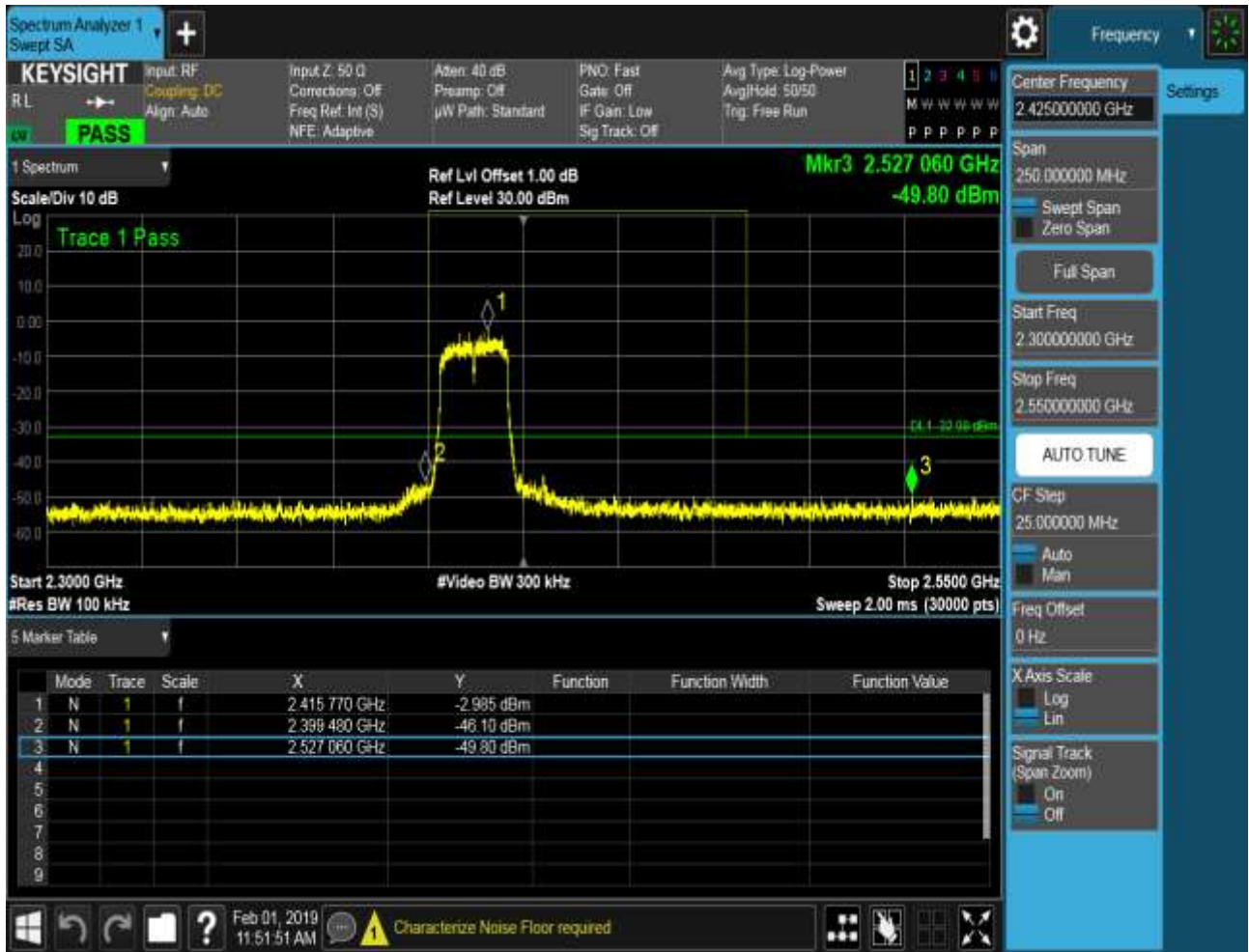
1.46 11N40SISO_Ant2_2452



1.47 11N20MIMO_Ant1_2412



1.48 11N20MIMO_Ant2_2412



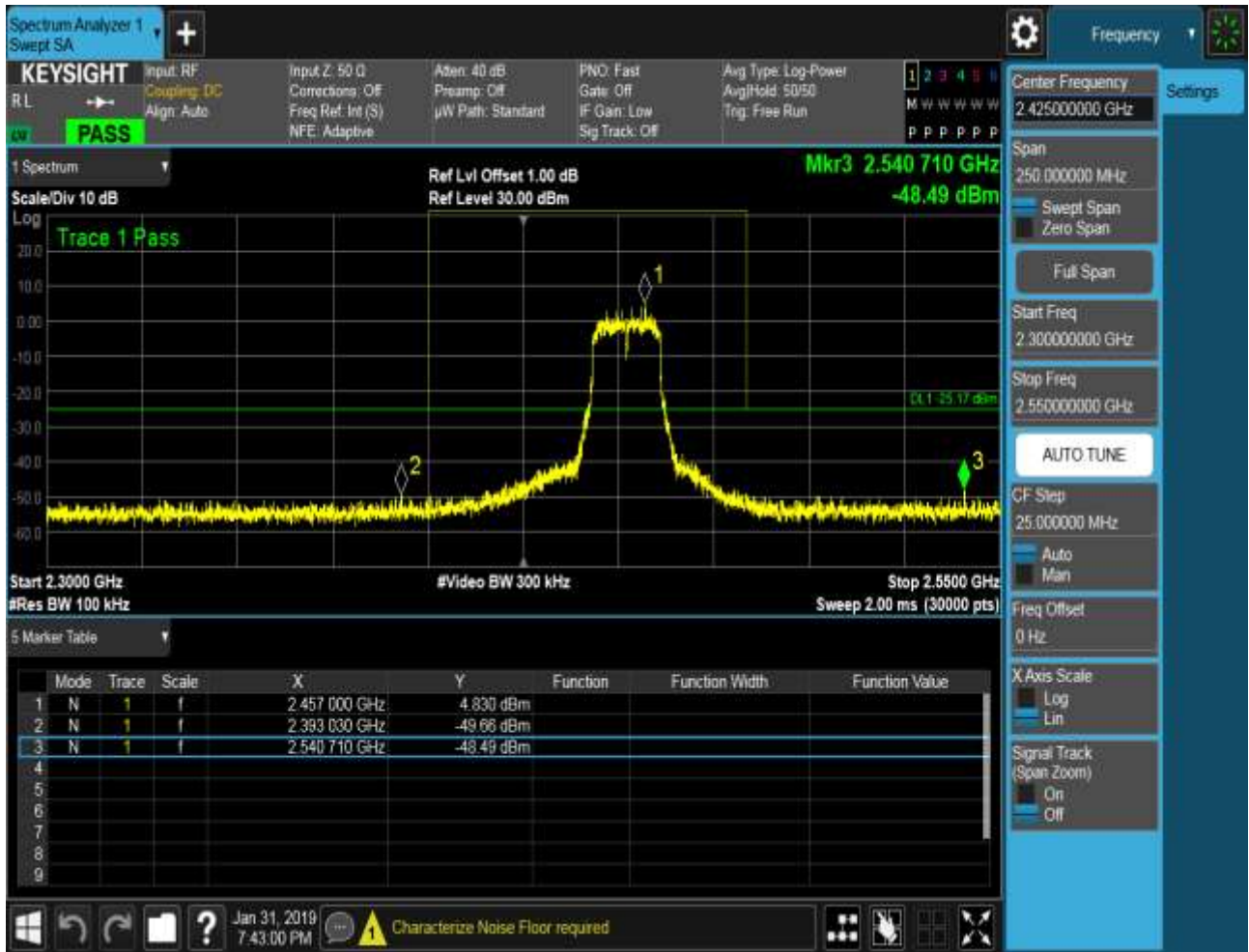
1.49 11N20MIMO_Ant1_2422



1.50 11N20MIMO_Ant2_2422



1.51 11N20MIMO_Ant1_2452



1.52 11N20MIMO_Ant2_2452



1.53 11N20MIMO_Ant1_2457



1.54 11N20MIMO_Ant2_2457



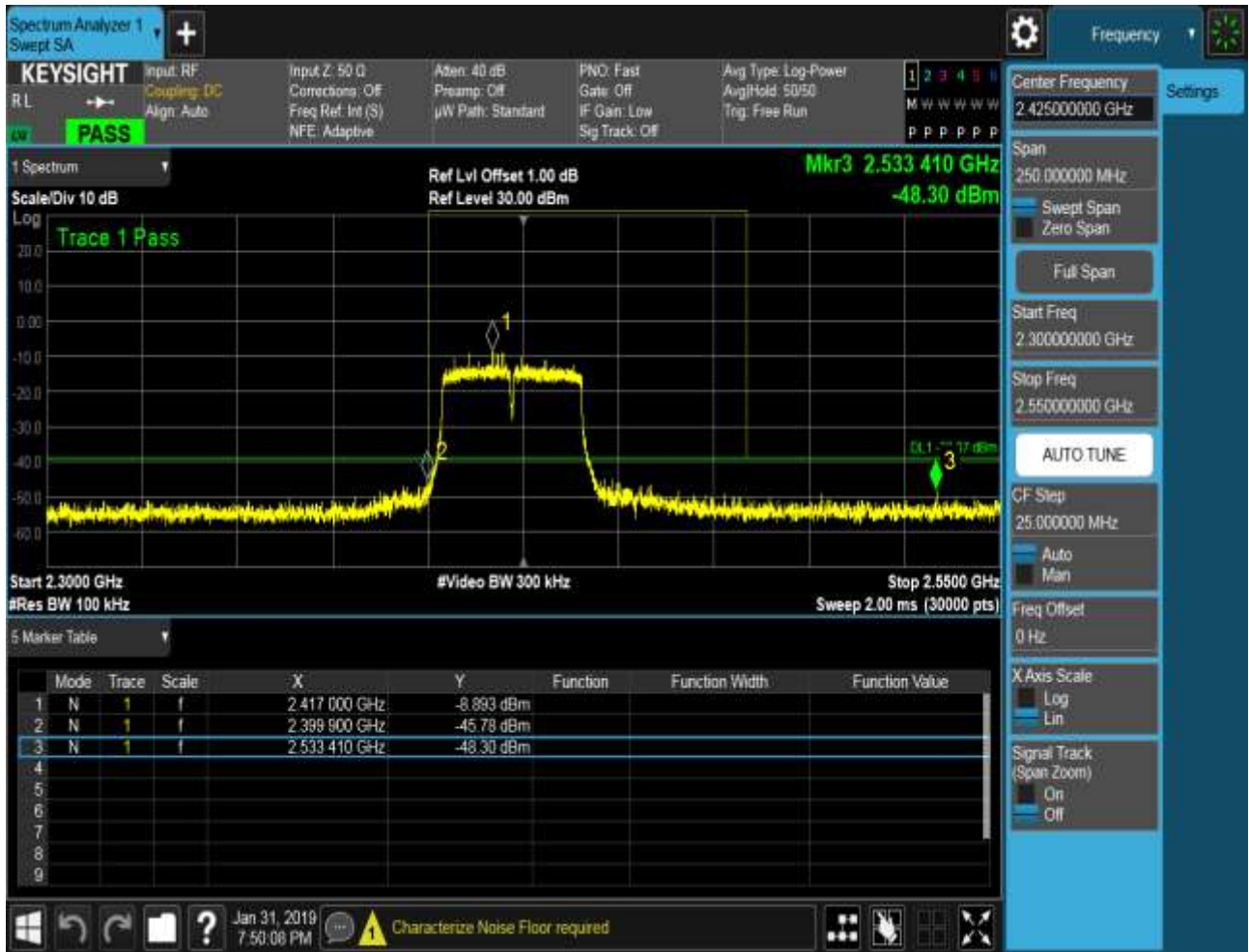
1.55 11N20MIMO_Ant1_2462



1.56 11N20MIMO_Ant2_2462



1.57 11N40MIMO_Ant1_2422



1.58 11N40MIMO_Ant2_2422



1.59 11N40MIMO_Ant1_2427



1.60 11N40MIMO_Ant2_2427



1.61 11N40MIMO_Ant1_2432



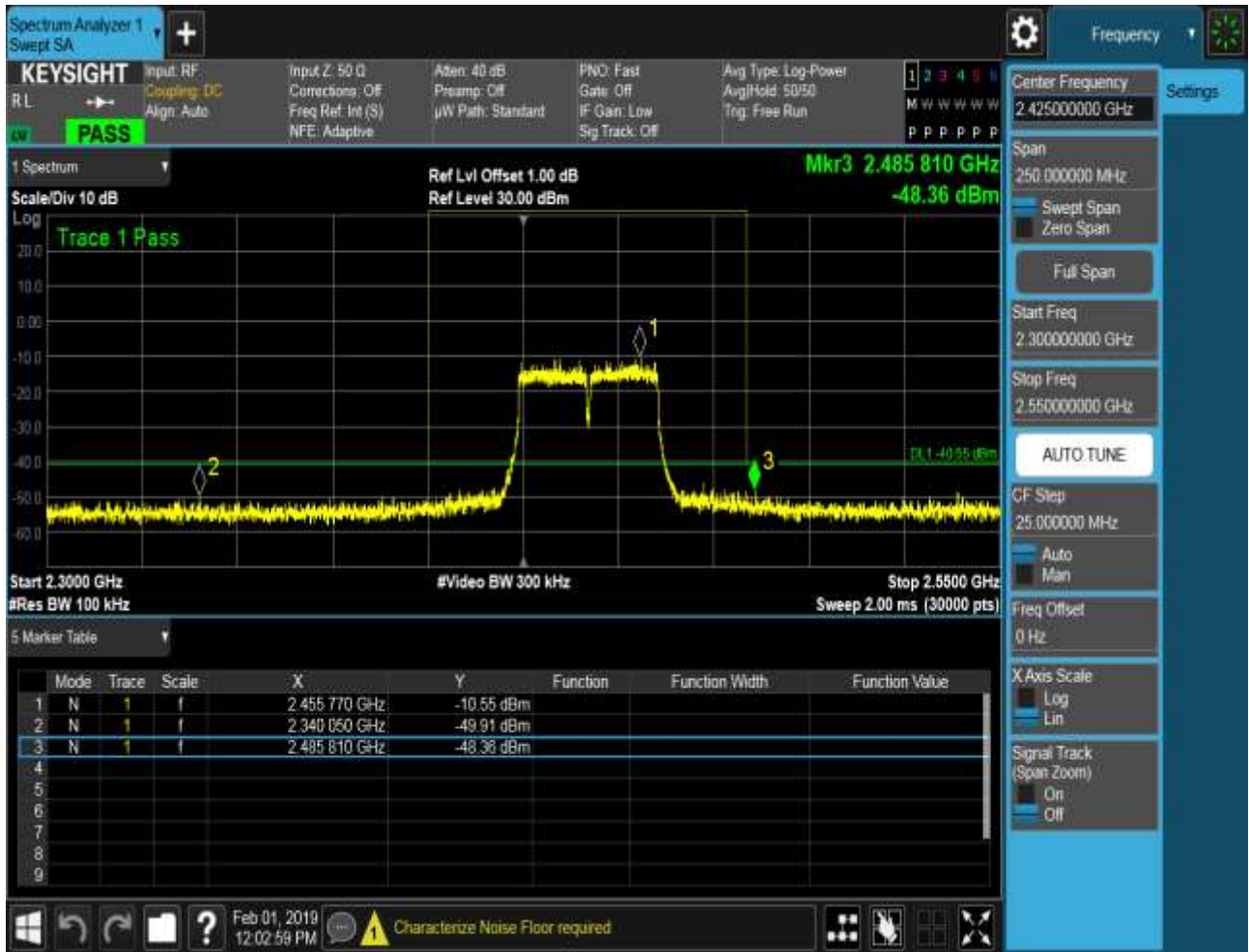
1.62 11N40MIMO_Ant2_2432



1.63 11N40MIMO_Ant1_2442



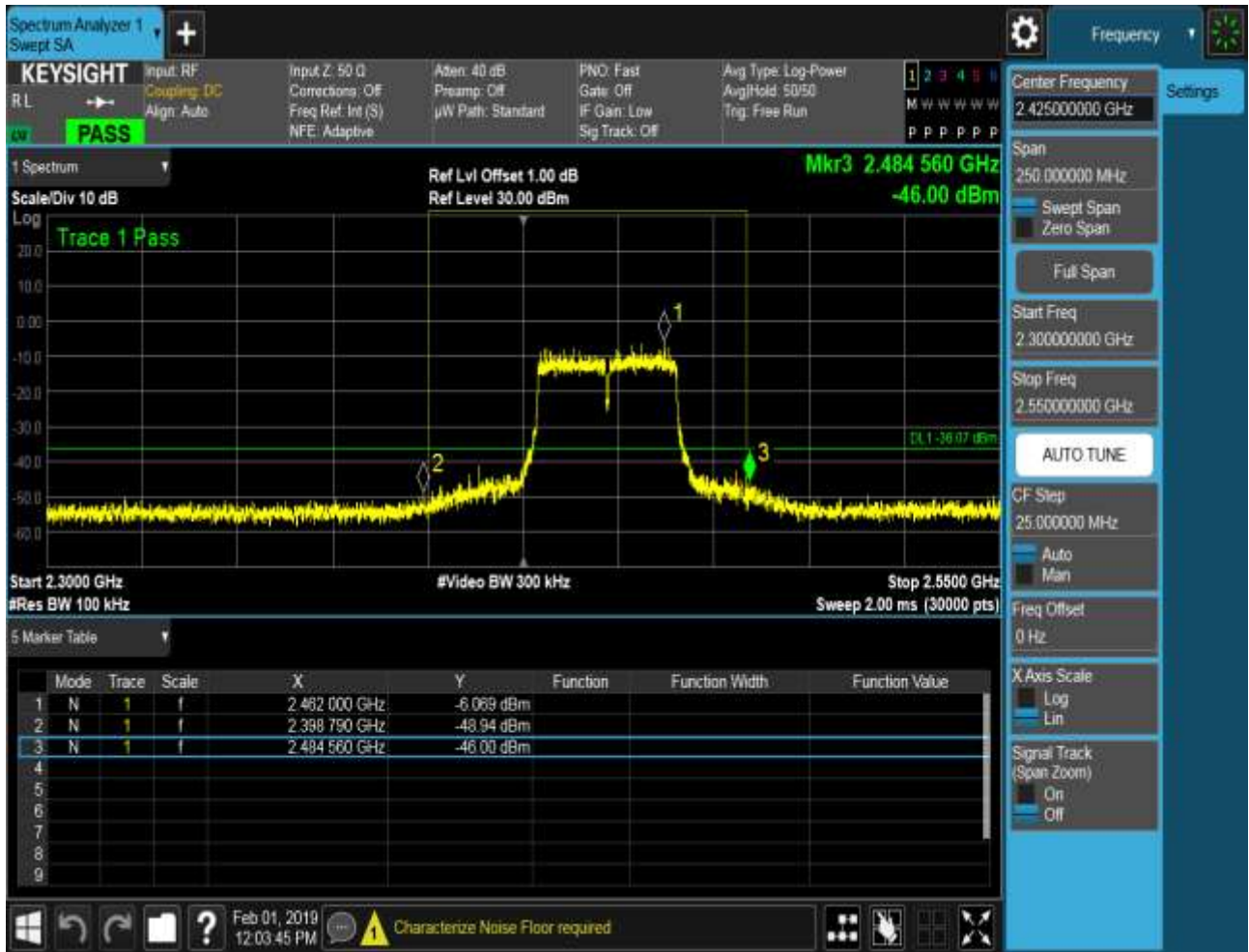
1.64 11N40MIMO_Ant2_2442



1.65 11N40MIMO_Ant1_2447



1.66 11N40MIMO_Ant2_2447



1.67 11N40MIMO_Ant1_2452



1.68 11N40MIMO_Ant2_2452



Appendix G: Unwanted Emissions into Non-Restricted Frequency

Bands

In this Appendix, the "Pref", which is used as the reference level, refers to the peak power level in any 100 kHz bandwidth within the fundamental emission, the "Puw" refers to the maximum emission power in 100 kHz band segments outside of the authorized frequency band.

Considering that the higher ratio of RBW to the span for the frequency ranges below 30 MHz makes the results determination be complicated, a narrower RBW other than 100 kHz is used for these ranges. The measured value should add a RBW correction factor (RBWCF) where $RBWCF [dB] = 10 \times \lg(100 [kHz]/\text{narrower RBW [kHz]})$. As to this Appendix, the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain and used as respective results for each chain, due to the relative-limit requirement.

In the result table, the "< Limit" denotes that "The Puw [dBm] is less than Pref[dBm]-30 [dBm], see Test Graphs for detailed"

Part I - Test Results

Test Mode	Antenna	Channel	RefLevel [dBm/100kHz]	Result [dBm]	Limit [dBm/100kHz]	Verdict
11B	Ant1	2412	8.37	<limit	-21.63	PASS
11B	Ant2	2412	6.64	<limit	-23.36	PASS
11B	Ant1	2437	8.79	<limit	-21.21	PASS
11B	Ant2	2437	7.07	<limit	-22.93	PASS
11B	Ant1	2462	6.92	<limit	-23.08	PASS
11B	Ant2	2462	6.53	<limit	-23.47	PASS
11G	Ant1	2412	-0.46	<limit	-30.46	PASS
11G	Ant2	2412	-2.84	<limit	-32.84	PASS
11G	Ant1	2422	5.09	<limit	-24.91	PASS
11G	Ant2	2422	5.1	<limit	-24.9	PASS
11G	Ant1	2437	2.17	<limit	-27.83	PASS
11G	Ant2	2437	2.71	<limit	-27.29	PASS
11G	Ant1	2452	3.79	<limit	-26.21	PASS
11G	Ant2	2452	3.23	<limit	-26.77	PASS
11G	Ant1	2457	-2.53	<limit	-32.53	PASS
11G	Ant2	2457	-2.83	<limit	-32.83	PASS
11G	Ant1	2462	-4.13	<limit	-34.13	PASS
11G	Ant2	2462	-3.92	<limit	-33.92	PASS
11G20CDD	Ant1	2412	-3.13	<limit	-33.13	PASS
11G20CDD	Ant2	2412	-3.19	<limit	-33.19	PASS
11G20CDD	Ant1	2422	5.96	<limit	-24.04	PASS
11G20CDD	Ant2	2422	2.92	<limit	-27.08	PASS
11G20CDD	Ant1	2437	4.89	<limit	-25.11	PASS
11G20CDD	Ant2	2437	4.04	<limit	-25.96	PASS
11G20CDD	Ant1	2452	4.29	<limit	-25.71	PASS
11G20CDD	Ant2	2452	2.12	<limit	-27.88	PASS
11G20CDD	Ant1	2457	-3.8	<limit	-33.8	PASS
11G20CDD	Ant2	2457	-4.45	<limit	-34.45	PASS
11G20CDD	Ant1	2462	-4.64	<limit	-34.64	PASS
11G20CDD	Ant2	2462	-5.8	<limit	-35.8	PASS
11N20SISO	Ant1	2412	-1.14	<limit	-31.14	PASS
11N20SISO	Ant2	2412	-2.62	<limit	-32.62	PASS
11N20SISO	Ant1	2422	4.5	<limit	-25.5	PASS
11N20SISO	Ant2	2422	2.81	<limit	-27.19	PASS
11N20SISO	Ant1	2437	4.55	<limit	-25.45	PASS
11N20SISO	Ant2	2437	3.87	<limit	-26.13	PASS
11N20SISO	Ant1	2452	4.6	<limit	-25.4	PASS
11N20SISO	Ant2	2452	1.81	<limit	-28.19	PASS
11N20SISO	Ant1	2457	-3.27	<limit	-33.27	PASS
11N20SISO	Ant2	2457	-5.14	<limit	-35.14	PASS
11N20SISO	Ant1	2462	-3.9	<limit	-33.9	PASS
11N20SISO	Ant2	2462	-6.49	<limit	-36.49	PASS
11N20MIMO	Ant1	2412	-1.62	<limit	-31.62	PASS
11N20MIMO	Ant2	2412	-2.9	<limit	-32.9	PASS
11N20MIMO	Ant1	2422	4.6	<limit	-25.4	PASS
11N20MIMO	Ant2	2422	3.66	<limit	-26.34	PASS
11N20MIMO	Ant1	2437	2.29	<limit	-27.71	PASS
11N20MIMO	Ant2	2437	2.9	<limit	-27.1	PASS
11N20MIMO	Ant1	2452	4.18	<limit	-25.82	PASS
11N20MIMO	Ant2	2452	2.27	<limit	-27.73	PASS

11N20MIMO	Ant1	2457	-3.77	<limit	-33.77	PASS
11N20MIMO	Ant2	2457	-4.26	<limit	-34.26	PASS
11N20MIMO	Ant1	2462	-4.2	<limit	-34.2	PASS
11N20MIMO	Ant2	2462	-6.12	<limit	-36.12	PASS
11N40SISO	Ant1	2422	-9.21	<limit	-39.21	PASS
11N40SISO	Ant2	2422	-9.64	<limit	-39.64	PASS
11N40SISO	Ant1	2427	-8.06	<limit	-38.06	PASS
11N40SISO	Ant2	2427	-7.91	<limit	-37.91	PASS
11N40SISO	Ant1	2432	0.25	<limit	-29.75	PASS
11N40SISO	Ant2	2432	-0.97	<limit	-30.97	PASS
11N40SISO	Ant1	2437	0.0	<limit	-30.0	PASS
11N40SISO	Ant2	2437	-1.16	<limit	-31.16	PASS
11N40SISO	Ant1	2442	-8.53	<limit	-38.53	PASS
11N40SISO	Ant2	2442	-9.57	<limit	-39.57	PASS
11N40SISO	Ant1	2447	-8.79	<limit	-38.79	PASS
11N40SISO	Ant2	2447	-9.38	<limit	-39.38	PASS
11N40SISO	Ant1	2452	-9.34	<limit	-39.34	PASS
11N40SISO	Ant2	2452	-10.16	<limit	-40.16	PASS
11N40MIMO	Ant1	2422	-8.88	<limit	-38.88	PASS
11N40MIMO	Ant2	2422	-6.2	<limit	-36.2	PASS
11N40MIMO	Ant1	2427	-7.75	<limit	-37.75	PASS
11N40MIMO	Ant2	2427	-9.48	<limit	-39.48	PASS
11N40MIMO	Ant1	2432	0.34	<limit	-29.66	PASS
11N40MIMO	Ant2	2432	-0.5	<limit	-30.5	PASS
11N40MIMO	Ant1	2437	-0.86	<limit	-30.86	PASS
11N40MIMO	Ant2	2437	-0.13	<limit	-30.13	PASS
11N40MIMO	Ant1	2442	-7.89	<limit	-37.89	PASS
11N40MIMO	Ant2	2442	-9.75	<limit	-39.75	PASS
11N40MIMO	Ant1	2447	-10.23	<limit	-40.23	PASS
11N40MIMO	Ant2	2447	-6.26	<limit	-36.26	PASS
11N40MIMO	Ant1	2452	-9.99	<limit	-39.99	PASS
11N40MIMO	Ant2	2452	-6.94	<limit	-36.94	PASS

Part II - Test Graphs

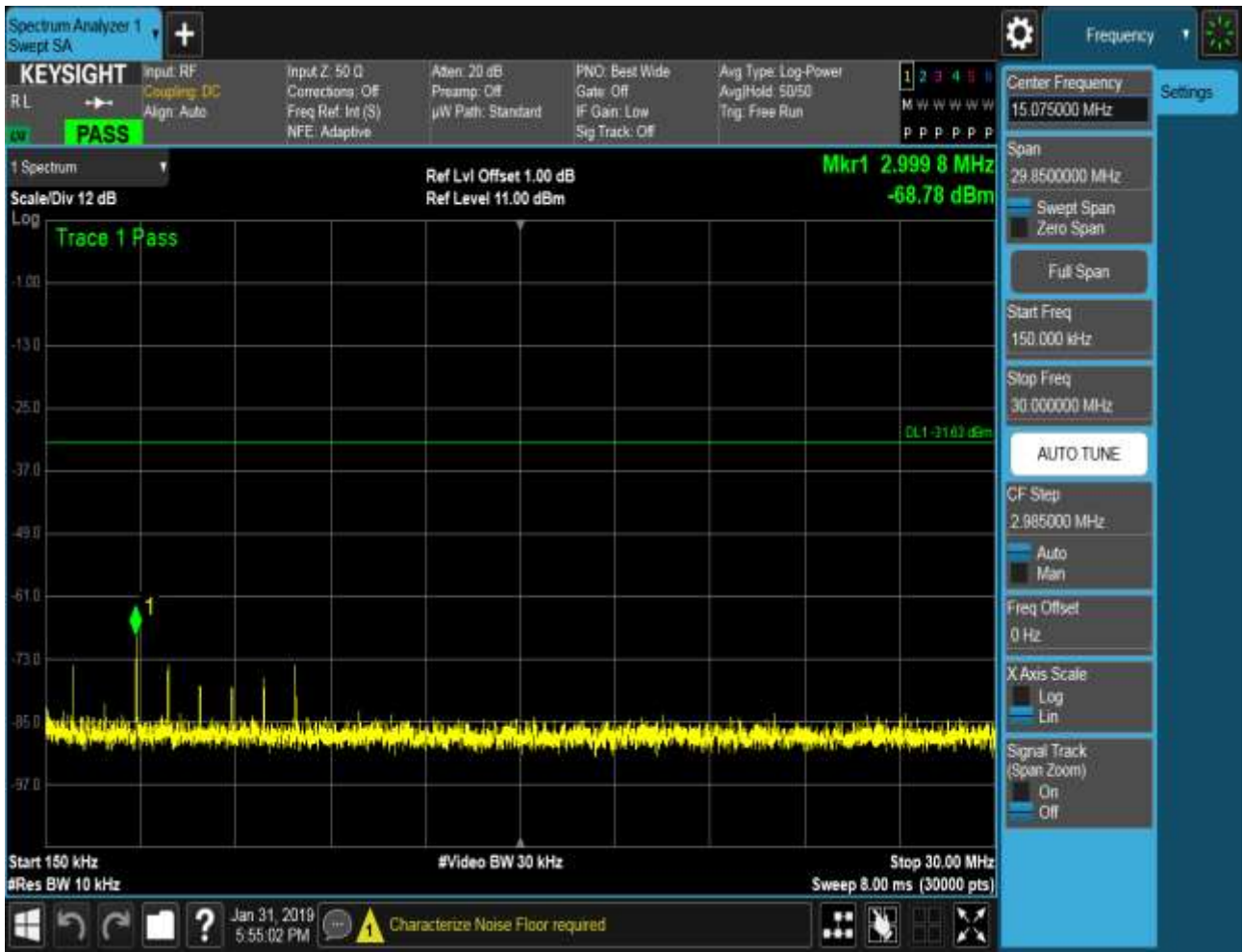
1.1 11B_Ant1_2412

Pref:



P_{uw}:











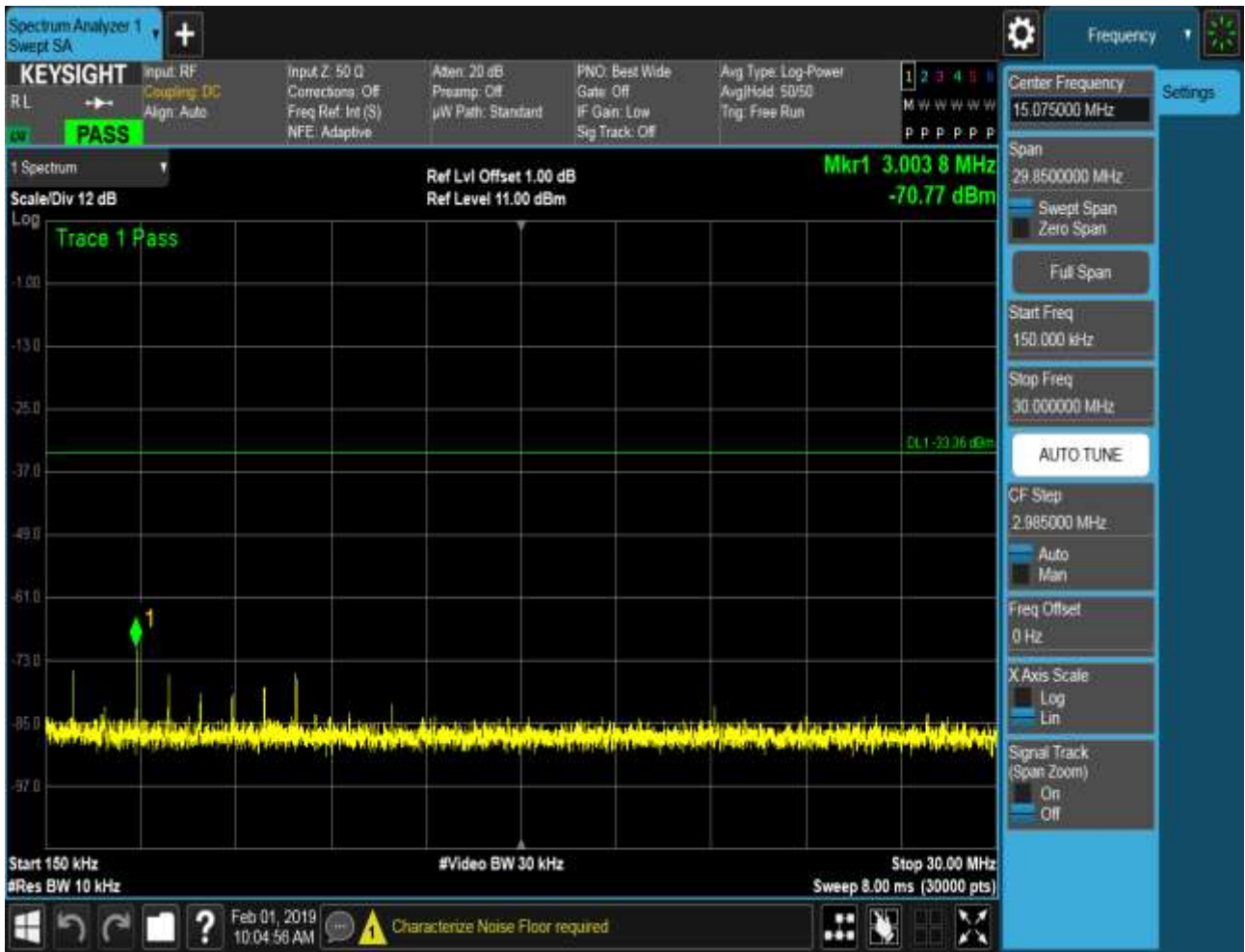


1.2 11B_Ant2_2412

Pref:



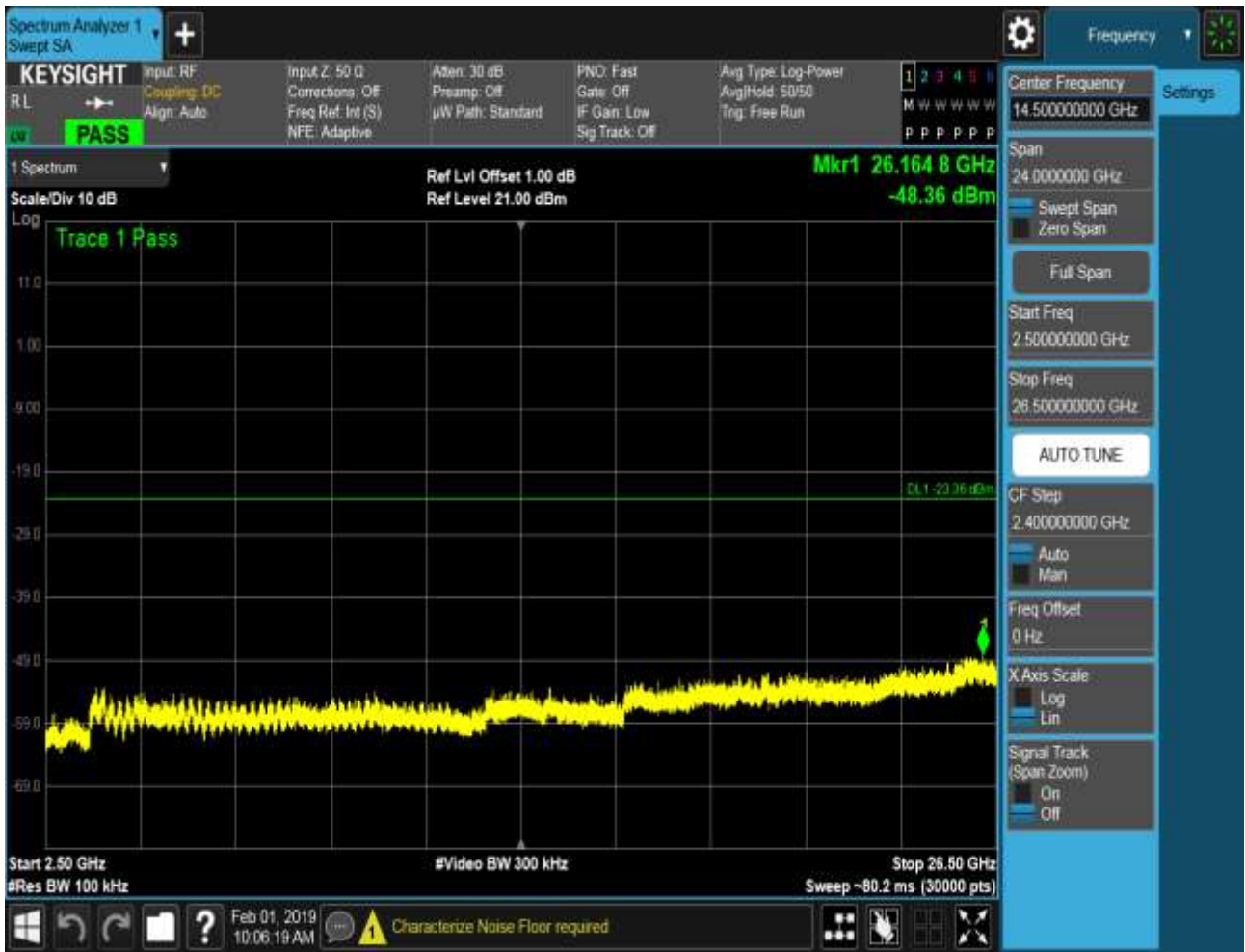
P_{uw}:











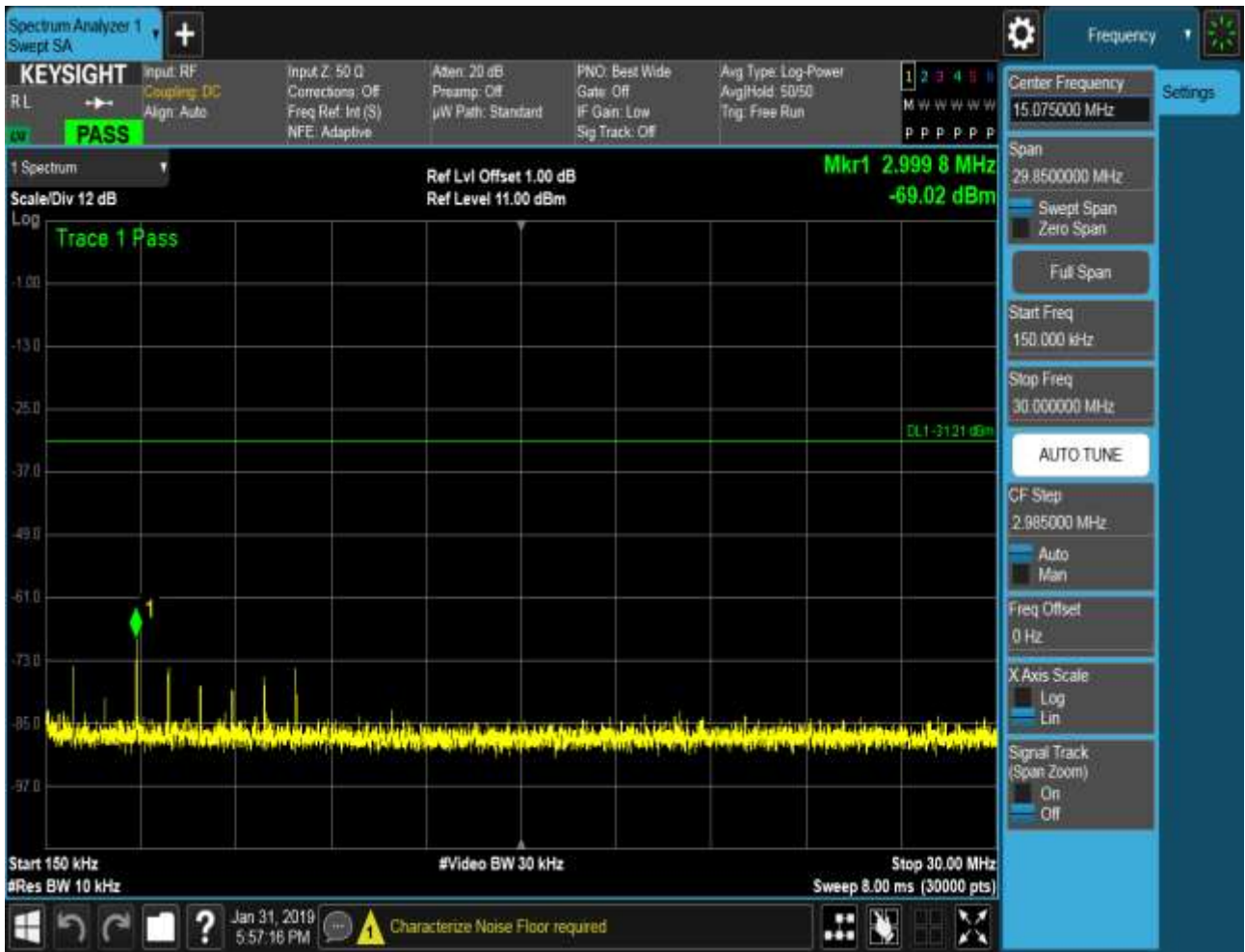
1.3 11B_Ant1_2437

Pref:



P_w:













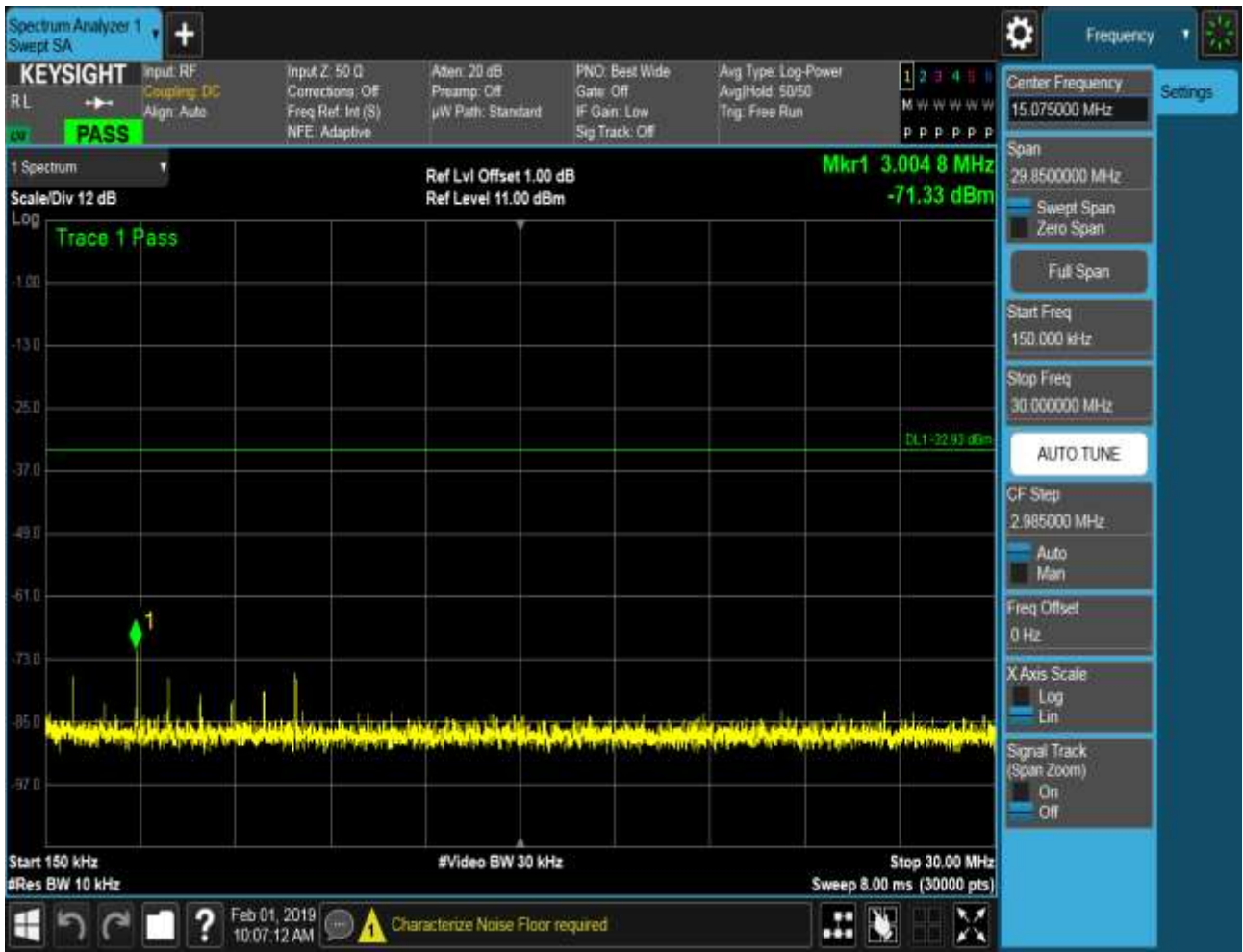
1.4 11B_Ant2_2437

Pref:



Puw:

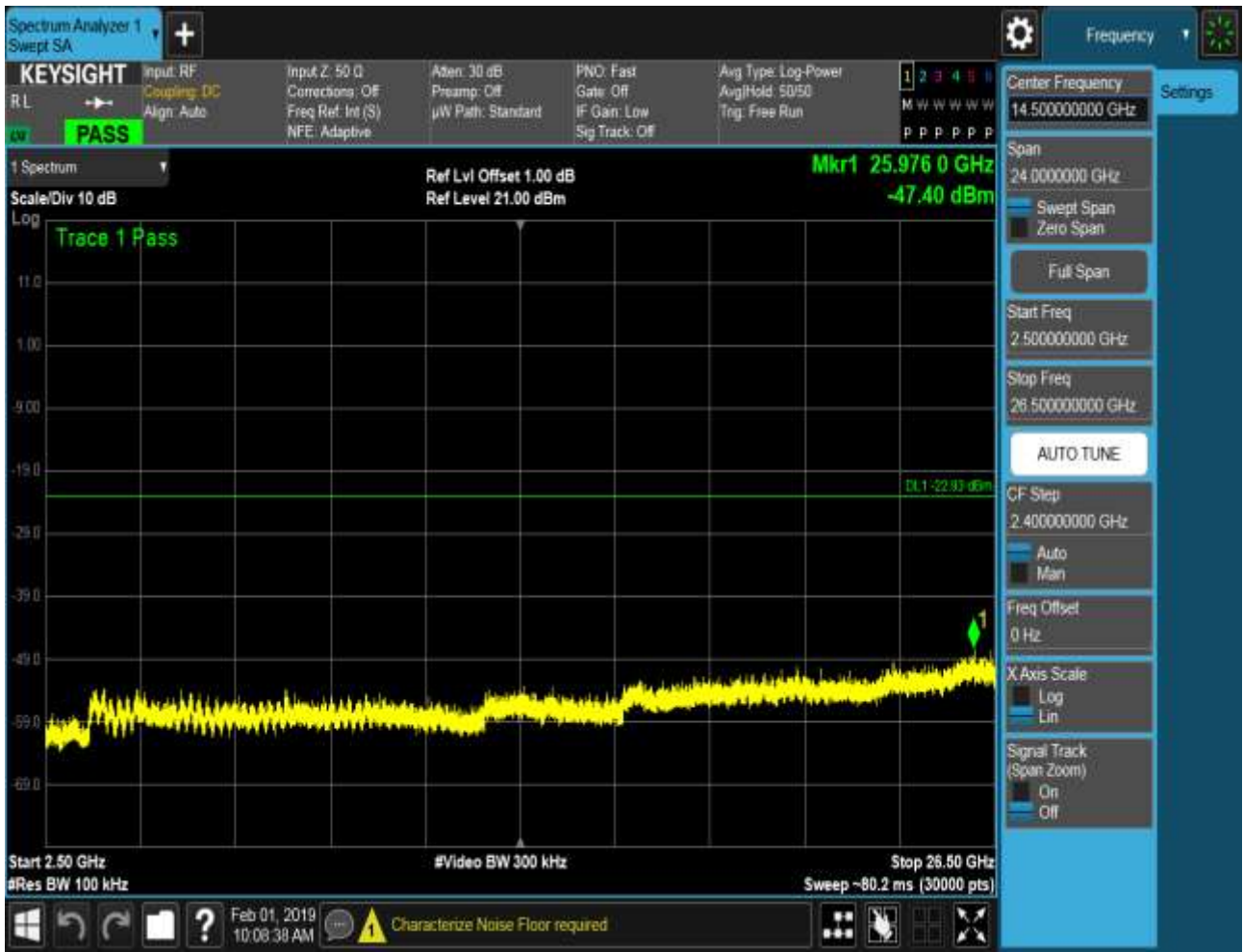










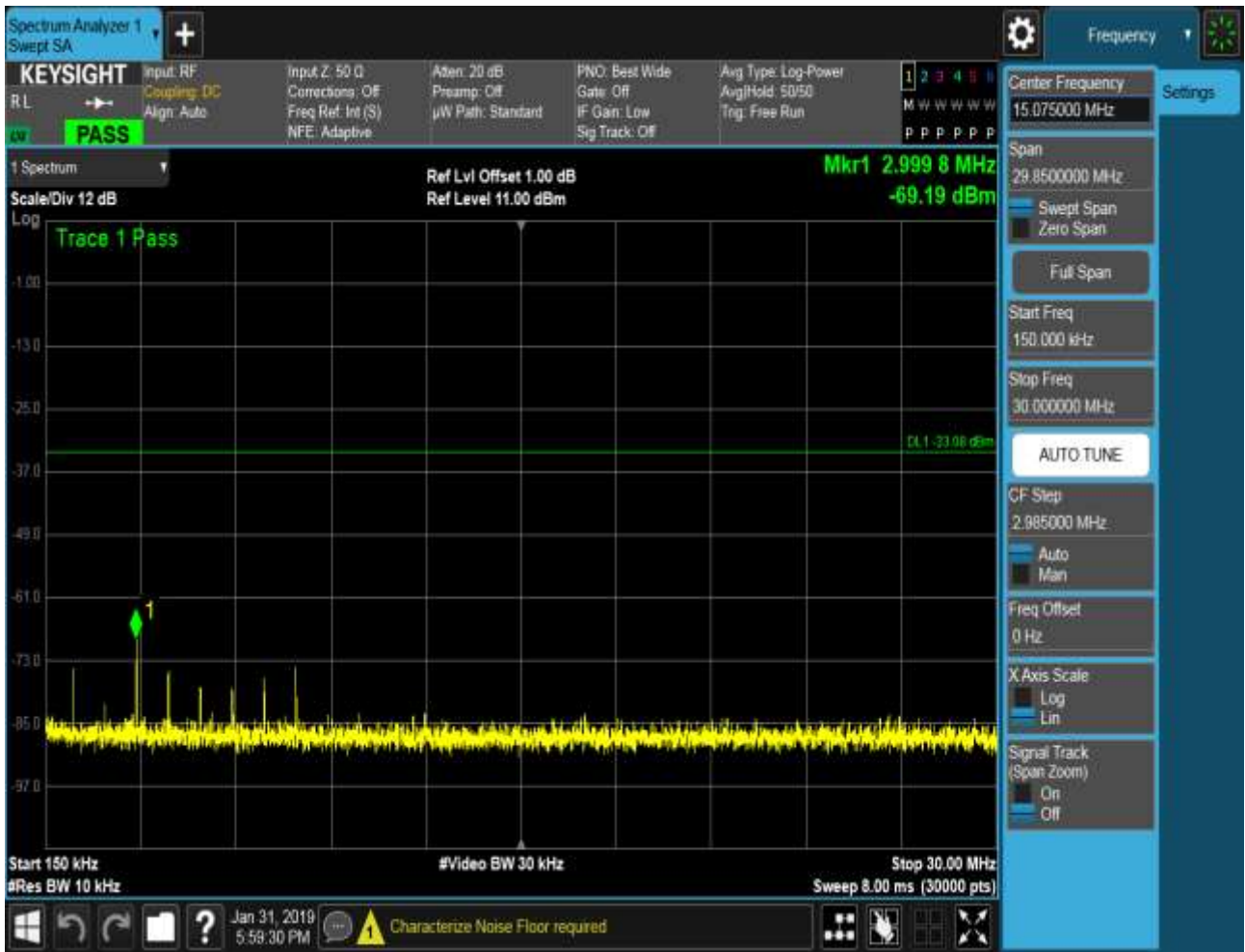


1.5 11B_Ant1_2462

Pref:



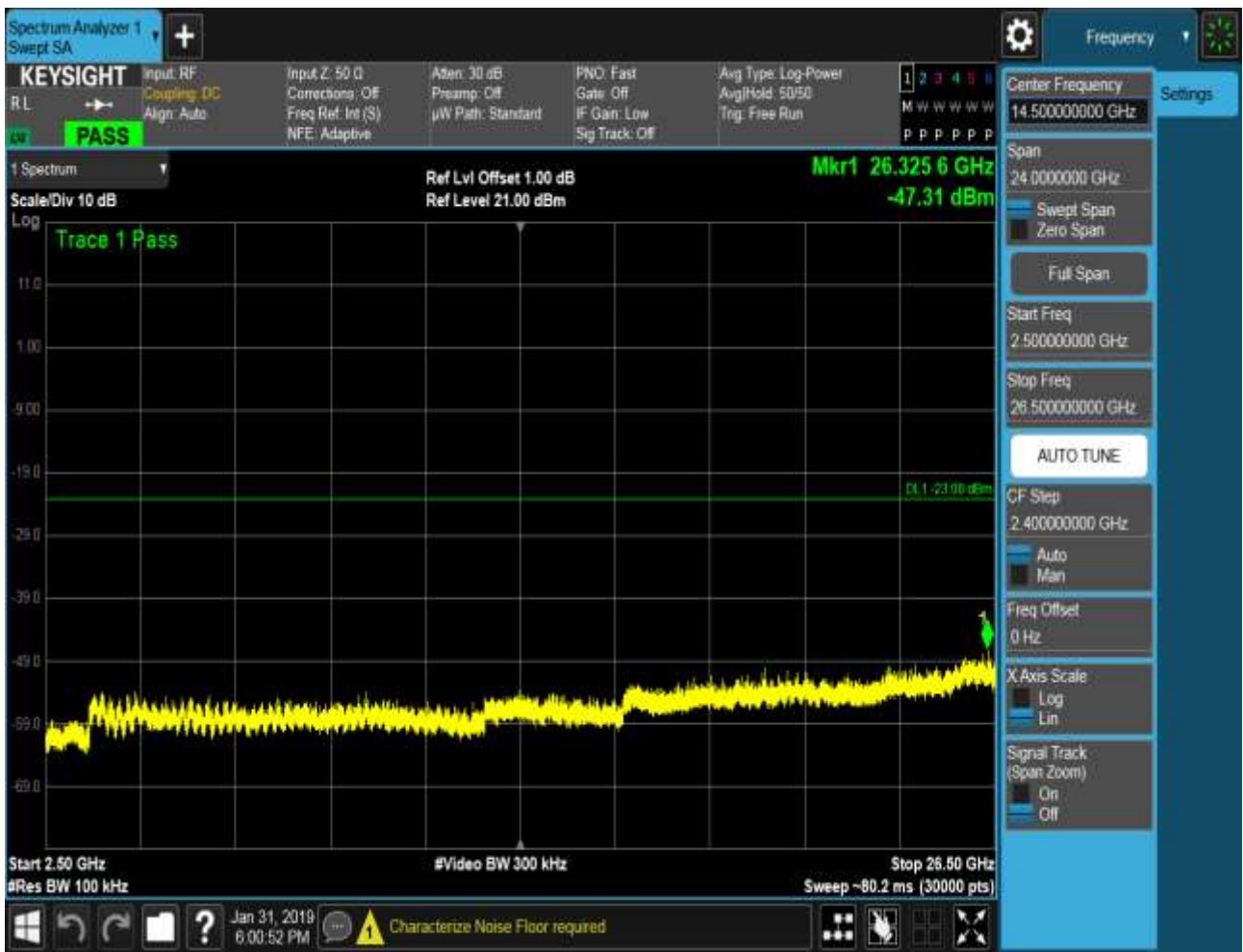
P_{uw}:











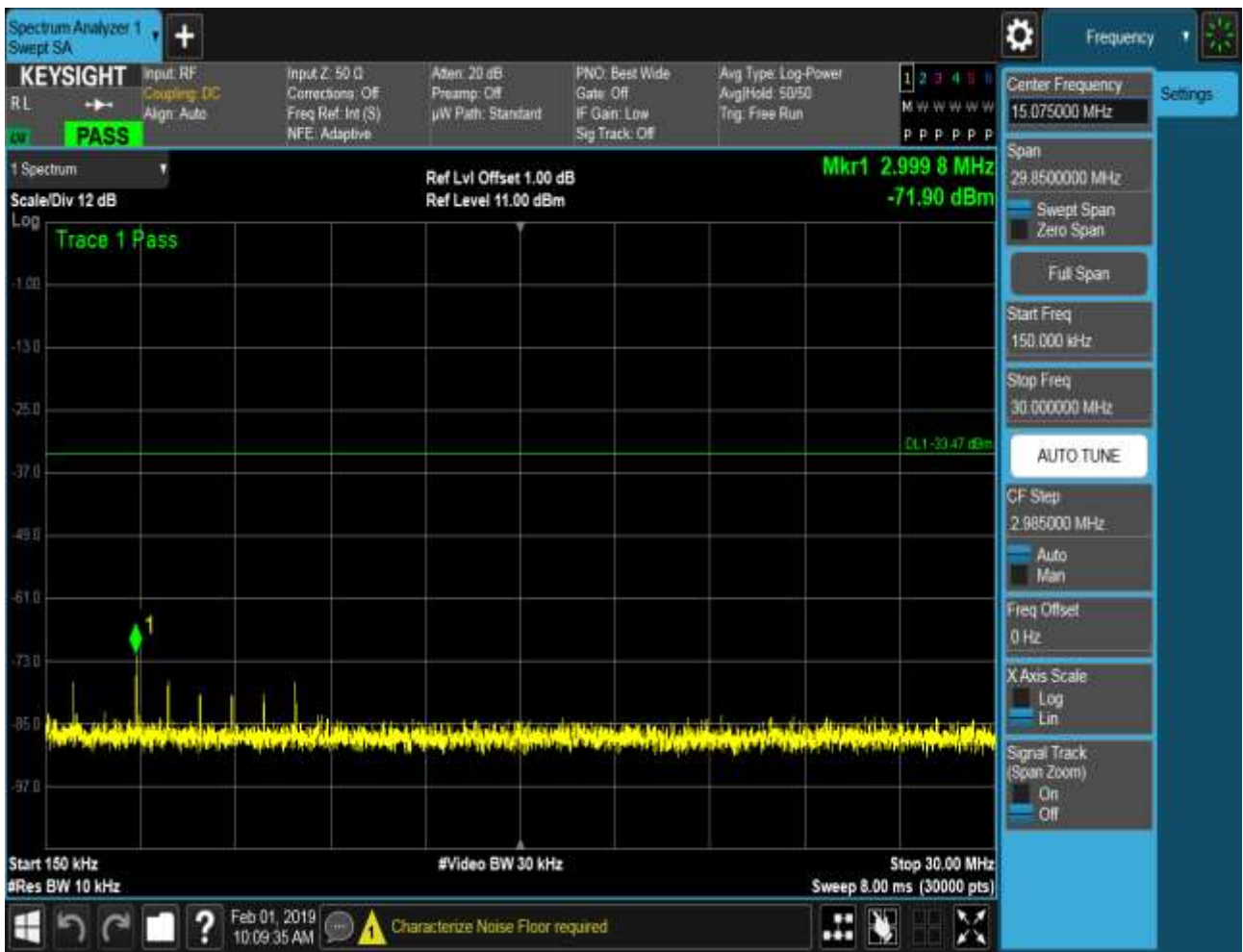
1.6 11B_Ant2_2462

Pref:



P_{uw}:







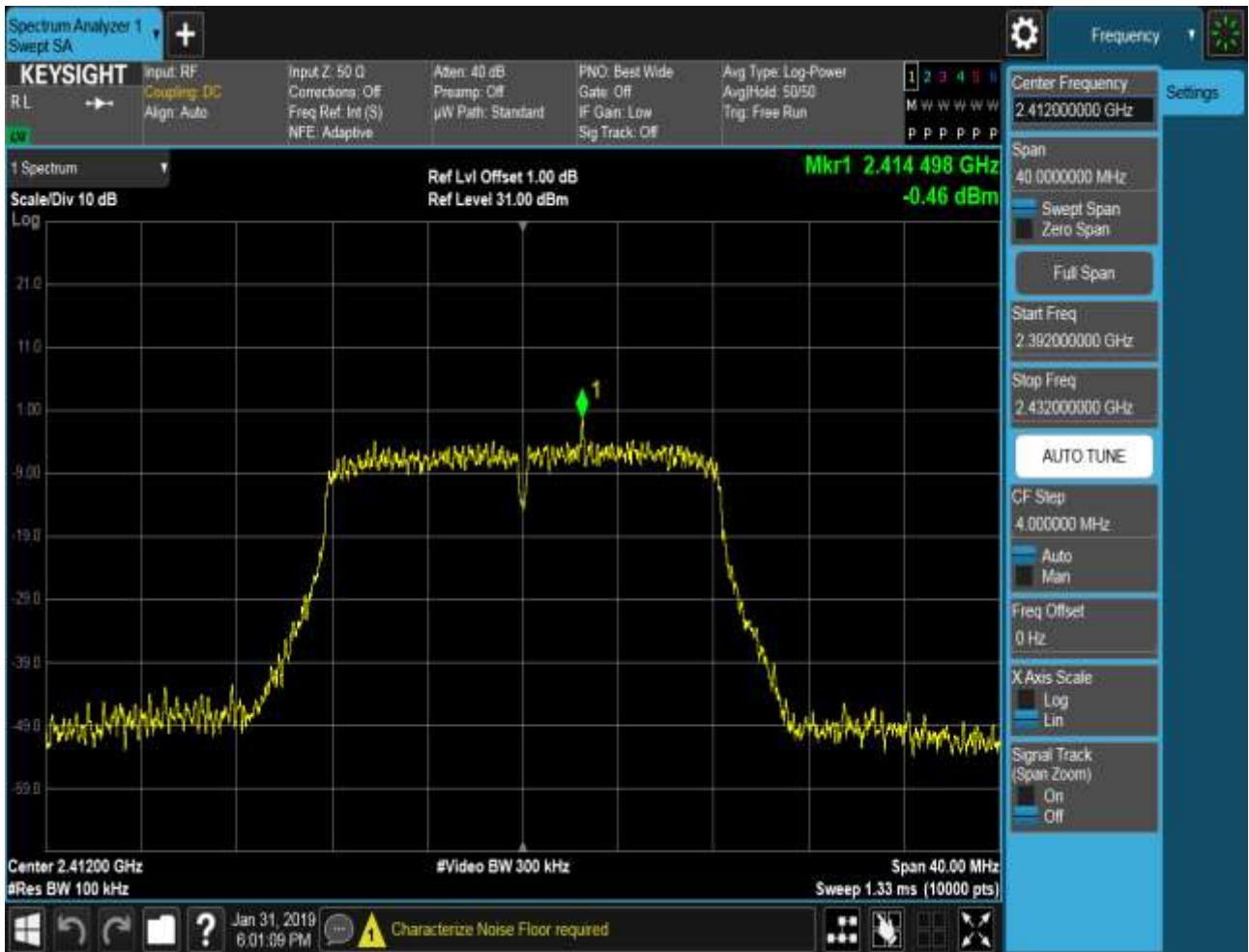






1.7 11G_Ant1_2412

Pref:



P_{uw}:













1.8 11G_Ant2_2412

Pref:



P_{uw}:







